A List Publication Premiere Issue Winter, 1984 $7.50

The Macintosh Buyer's Guide

More than 200 products
Software, Peripherals, and Add-Ons



Business • Professional • Personal • Educational

Apple's® new baby has



Microsoft BASIC
on Apple's new Macintosh

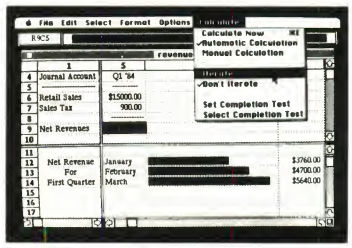
It's called Macintosh.™ And it has a lot of our personality.

We're called Microsoft.® And our part of Macintosh is five new programs that are bright, intuitive, outgoing, understanding and born to perform.

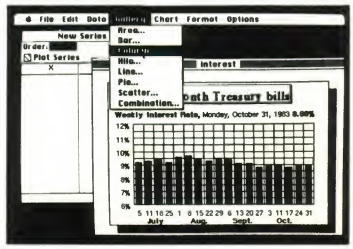
Our pride, your joy.

Taking advantage of Macintosh's mouse and rich graphics, we've designed software that works like you, even thinks like you.

All our programs share the same plain English commands. So what once took days to learn, now takes hours or minutes to learn with Macintosh.



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Microsoft Chart

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When it comes to writing, nothing will travel faster

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our best features.

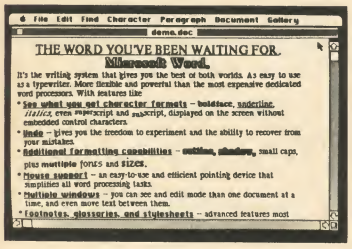
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Our most artistic child is Chart. It gives you 42 presentation-quality chart and graphic styles to choose from.

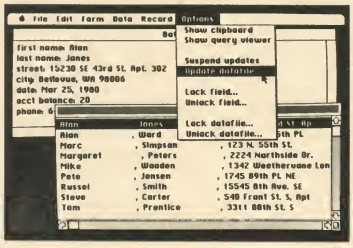
Soon we'll offer our most manageable child, File, an advanced personal record management program.

MICROSOFT®
The High Performance Software™

And BASIC, the language spoken by nine out of ten microcomputers worldwide, is the grand-daddy of them all.



Microsoft Word



Microsoft File

Now enhanced to take advantage of the Macintosh mouse, windows and graphics.

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CONTENTS

The Macintosh Buyer's Guide

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Publisher's Window 6

BUSINESS AND PROFESSIONAL SOFTWARE:

Accounting 8
Includes programs for business-accounting functions such as general ledger, accounts receivable, payroll, etc.

Business Graphics 20
Includes programs that help make bar charts, line graphs, maps, technical illustrations, etc.

Communications 22
Includes programs that allow your Macintosh to exchange data with other computers, access on-line information sources, and more.

Creative 34
Includes programs that help make original drawings, illustrations, animated sequences, music compositions, etc.

Data Base 46
Includes programs that help you store, find, and keep track of files, information, illustrations, etc.

Office Management 64
Includes programs that manage desktop information such as appointments, phone directories, forms, etc.

Programming 80
Includes complete programming languages such as Pascal, BASIC, and others; along with development tools, compilers, etc.

Specific Application 92
Includes programs designed for specific users such as medical offices, architects, engineers, electronic circuit designers, etc.

Spreadsheet 100
Includes programs for making the "what-if" spreadsheeting process easy.

Training 102
Includes programs that teach business users how to operate a computer, how to type, how to program, etc.

Utilities 106
Includes programs to enhance the use of your Macintosh, printer, or disks; plus those that work with other programs to make them more useful.

Word Processing 118
Includes programs that make writing easy whether it's correspondence, reports, memorandums, or a book.

Miscellaneous Management 124
Includes unique programs such as personality evaluation, expert systems, equation solving, disk labeling, outlining, project management, etc.

PERSONAL AND HOME SOFTWARE:

Education 134
Includes programs that teach typing, math, reading, writing skills, etc.

Personal and Home Finance 138
Includes programs that will help you manage finances, such as checkbooks, financial and investment planning, accounting, etc.

HARDWARE AND PERIPHERALS:

Macintosh 512K 147

Other Hardware Items 148
Includes products such as disk drives, printers, modems, digitizers, etc.

OTHER PRODUCTS:

Games and Entertainment 163
Includes programs to challenge, educate, and entertain, such as stock-market simulations, adventures, arcade games, etc.

Accessories, Miscellaneous 169
Includes products such as carrying cases, head-cleaning kits, user groups, etc.

Coming Attractions 172
Includes products that are in the works, but won't be available until 1985.

Index to Products by Vendor 175

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It's the new BASF Qualimetric™ 3.5" Micro FlexyDisk.® Its name is a lot bigger than its size, and a lot smaller than its capacity. Our new Micro fits into more than shirt pockets. It fits into several of the hottest new small portable personal computers – like Apple™ Computer's new Macintosh™ and Lisa™ 2 and Hewlett-Packard's HP-150 Touchscreen PC.

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*Contact BASF for a copy of our warranty.



BASF

Celebrating 50 years of magnetic recording

Now under new

Now that MacWrite and MacPaint have dragged you **not** kicking and screaming into the world of personal computing, it's time to give your Macintosh new marching orders:

The OverVUE™ information manager.

With OverVUE, you can now enter another world just as easily. The world of database management.

A database, in case you didn't know, is simply raw information. Like a long-distance phone bill, a mailing list, an inventory, or your daughter's orthodontist appointments. And what OverVUE does is organize all that into useful tables, summaries, extracts, analyses, or reports.

This is serious business. But you can do it easily. Because OverVUE takes full advantage of Apple's incredible Macintosh technology.



management.

Communicates with other software like Microsoft Chart and Multiplan. Allows editing just like MacWrite. Does math just like Einstein.

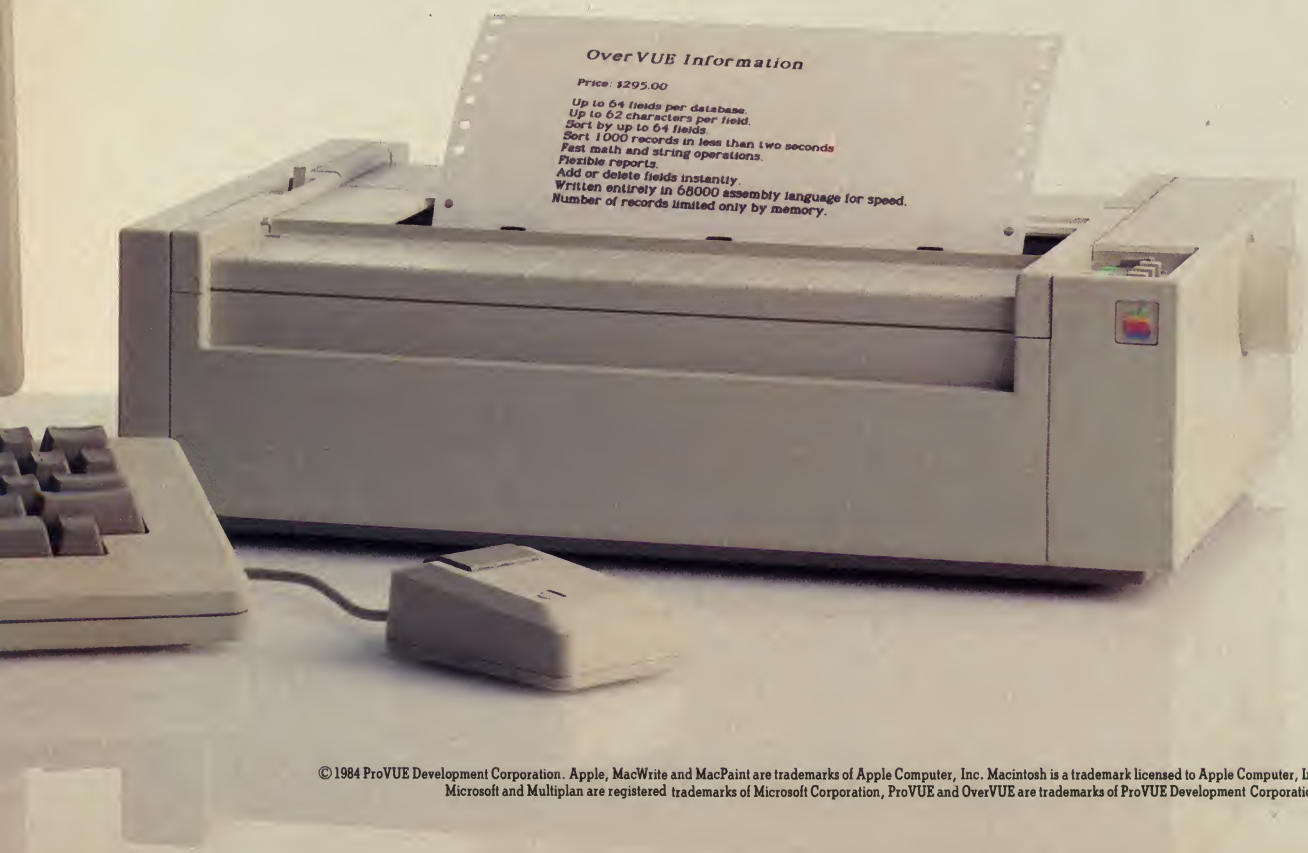
And the process doesn't drag on forever. OverVUE can sort 1,000 records in about 2 seconds.

So if you've got sales to analyze, inventory levels to track, customer lists to update, phone charges to allocate, time reporting to simplify, projects to schedule, bank statements to reconcile, employee records to maintain, accounts receivable to monitor, or a power lust to satisfy, rush over to your authorized Apple dealer.

Don't go another day without OverVUE.

The quick, the easy, the only way to get you and your Macintosh into upper levels of management. **OverVUE™**

ProVUE Development Corporation, 222 22nd Street, Huntington Beach, CA 92648 • (714) 969-2431



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In late June, 1984, I wrote a major article for LIST, a sister publication of *The Macintosh Buyer's Guide.* I called attention to the lack of software for the Macintosh and predicted that it would not be considered a computer of value to businesses and professions until more serious software and peripherals were available.

I predicted there would be fewer than 100 products available by the end of 1984 and a majority of those programs would be in the entertainment and educational areas. I would soon stand corrected.

By July 4 we began to receive information about new Macintosh business software and peripherals—first a trickle, then a flood. At the National Computer Conference and several other trade shows, all the talk centered on new software for the Macintosh.

In mid July I visited Apple Computer's Macintosh division where I met with Guy Kawasaki, Macintosh's software marketing manager, and Steve Jobs, Apple's chairman and general manager of the Macintosh division. I was struck by the commitment, spirit, creativity, and vitality of the entire operation.

Apple executives such as Matt Cobb and Alfred Mandel were absolutely steadfast in their assurances that there would soon be a flood of third-party, business-oriented products for Macintosh. Our own research confirmed this claim, and we were surprised that there were to be close to 225 products available by winter.

By mid August we had committed to the production of this publication, and our own internal Macintosh development team was hard at work readying the guide for its slated mid-October publication date.

In less than eight weeks we wrote, edited, fact checked, designed, layed out, and printed 500,000 copies of the *The Macintosh Buyer's Guide* for distribution to existing Macintosh owners, prospects, developers, dealers, and the industry. We believe this premiere issue represents the largest first print run for a new magazine.

The Macintosh is the most successful new business computer ever introduced with almost 200,000 units shipped to date. Further, the Macintosh is a new kind of computer. It's a computer that encourages experimentation and creativity. It's a computer that makes its users zealous about the system and encourages experimentation.



Here's the staff of professionals who worked on producing this premiere issue of The Macintosh Buyer's Guide.

For example, our production management team of Deborah Graves and Wendy McCloud essentially took apart the Macintosh and our Compugraphic typesetter, acquired appropriate software from Manhattan Graphics in New York and from Microsoft, and successfully interfaced the two products so we could typeset our own Macintosh-generated graphics.

We are now heavy users of the Macintosh in our production, art direction, and editorial areas. Further, we are struck by the awesome potential inherent in the Macintosh technology.

We have been both pleased and disappointed with the avalanche of new software and peripherals being introduced for the Macintosh. While there are some excellent new products that take advantage of all the Macintosh's features, there are several products that were simply ported over to work on Macintosh from other computer models.

While the latter products cannot be considered innovative, they do indicate that the Macintosh is a winner. In addition, any developers not seriously considering introducing products—any products—for Macintosh will soon be left behind. The market for Macintosh software and peripherals is about to explode.

Beginning early in 1985, we'll publish *Macintosh Buyer's Guides* semiannually. If you'd like to order advance copies of the guides, simply fill out one of the cards within or see the ad on page 33. If you'd like to carry the guides in your store, simply fill out the coupon in the ad or call our circulation department.

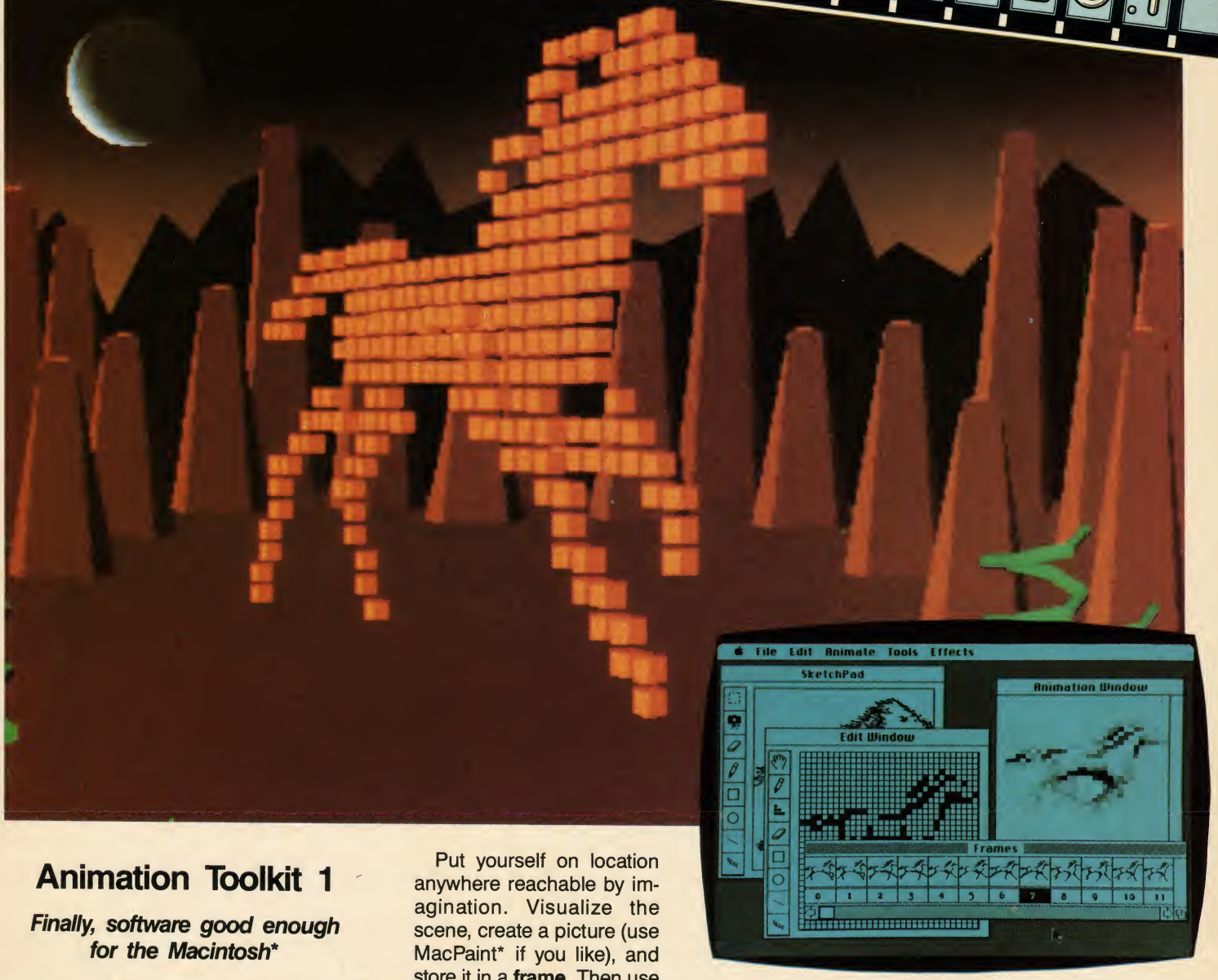
Advertisers can also participate in future issues by calling Joseph Weibel at 305-231-6904.

Send your software and peripheral products, press kits, and other information to Tom Kempf at *The Macintosh Buyer's Guide* to be sure your products are represented in the next issue.

Developing this magazine over such a short period of time took the hard work of many people. Several professionals at Apple Computer served above and beyond the call of duty. Our special thanks to Matt Cobb, Alfred Mandel, Debbie Bress, Amy Chang, Teri Stover, and Tom Hughes.

Ted Leonsis
Editor/Publisher

ANIMATION TOOLKIT NO.1



Animation Toolkit 1

Finally, software good enough for the Macintosh*

OK, let's talk.

We both know that the Macintosh* is the first computer which naturally combines text and pictures. That's as good a reason as any to call it revolutionary. But until now pictures on the Macintosh have been still, fixed, lifeless. The capacity was there to bring those images to life, buried deep inside the complex electronics, but there was no way to reach it. . . until now.

With Animation Toolkit 1 from Ann Arbor Softworks, anyone can easily create, edit, and animate films entirely on their Macintosh computer. Everything happens in real-time, unfolding on the screen right in front of you. An entirely new world of moving images becomes as easy as 'point and click'.

Put yourself on location anywhere reachable by imagination. Visualize the scene, create a picture (use MacPaint* if you like), and store it in a **frame**. Then use any of the powerful animation tools to bring that still picture to life; pencil, eraser, scroll, rotate, invert, distort, mask, matte, scale, fly-by, etc. These individual frames are automatically combined into **film clips,** just like the 'takes' of real film productions. When you are satisfied with a particular animated sequence, save it and go on to the next.

Finally all the individual scenes are shot, all the film clips are assembled in the editing room, waiting to be combined into a finished film. Start with your opening clip, play it back in slow motion, perhaps decide to edit out a few frames. Splice in another clip, play it twice, then dissolve to a third. Wait, let's try it another way. No problem. You have total control over the content and format of the film. Even jump back on location and reshoot a particular scene again.

Never before has this much power, this much exploration, this much visual excitement, been available on a personal computer. Nothing stands between you and your imagination. The possibilities are limitless.

Animation Toolkit 1 $69.95
Advanced Version with Sound

Ann Arbor Softworks, Inc.
308½ S. State Street Ann Arbor, MI 48104 (313) 996-3838

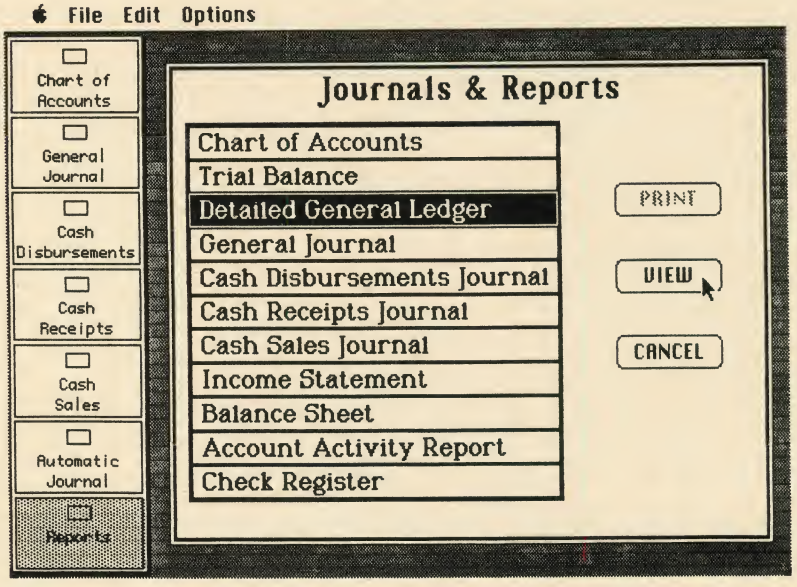
*Macintosh and MacPaint are registered trademarks of Apple Computer, Inc.

Circle 2 on Reader Service Card

Back to Basics Accounting System General Ledger

Accounting

System Requirements: 128K Macintosh; two disk drives.



The Back to Basics Accounting System General Ledger is an entry-level bookkeeping system for the small businessman not familiar with computers or even accounting. It provides users with access to a company's complete financial picture. A manual containing an overview of accounting principles is included, along with the operations of a sample company using the system.

The General Ledger can print checks through the Cash Disbursements Journal (one of four journals contained in the system). Financial statements, such as the user-modifiable Income Statement and Balance Sheet, may be printed as well. Another feature that should appeal to retailers is the General Ledger's capability of reconciling daily cash-register sales.

Other features include easy data entry, management of up to 254 general-ledger accounts, an option to incorporate up to 10 departments, and the ability to allow reports to be printed or viewed on the screen.

Most business users will appreciate the system's reporting capabilities. Options available include a Chart of Accounts, Trial Balance, Detailed General Ledger, and General Journal.

Available from your dealer or:
Peachtree Software
Management Science America, Inc. (MSA)
3445 Peachtree Road N.E.
Atlanta, Ga. 30326
800-247-3224
Retail Price: $95
Release Date: November, 1984

The Peachtree Back To Basics Accounting System is designed to give small businesses maximum utility with minimum difficulty. Many journals and reports are available with a click of the mouse, and the Macintosh pull-down menus are used to access each subsystem within the General Ledger.

Chequebook

Checking-account management

System Requirements: 128K Macintosh; one disk drive.

Chequebook for the Macintosh is designed to be an easy-to-use checkbook register with a built-in mini general ledger that can handle as many as 100 different general-ledger accounts. A user may view any of these general-ledger categories to see monthly totals as well as year-to-date totals.

The program shows a separate window on screen with a built-in pro forma bank statement to assist with bank-statement reconcilation. Information such as starting balance, ending balance, and average daily balance is also displayed on screen. In addition, the Chequebook program lets a user "zoom" in on a particular check and distribute amounts into any one of the three categories just mentioned.

A complete history of any check written is available for reference, and the program also features automatic posting of all check amounts to the general ledger.

To make operation simple, all entries are made on screen into a checkbook and checkbook register that look very much

Checkwriter

Checking-account management

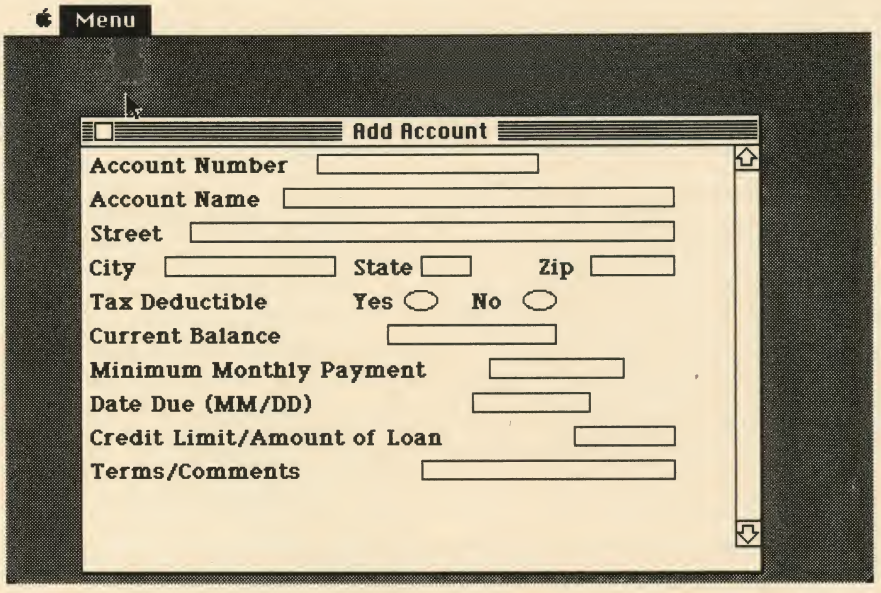
System Requirements: 128K Macintosh; one disk drive.

Checkwriter for the Macintosh is a simplified accounts-payable package for the home, small business, and professional practice. It has been designed to end the drudgery and stop the common errors caused by paying bills and keeping financial records by hand.

The program has also been designed to facilitate the rapid retrieval of financial records, and it will produce a printout of information that may be needed by a user at any time, such as a list of cancelled checks and a list of outstanding checks.

Checkwriter will also retrieve all checks written to a specific account, or list those checks from accounts that may be tax deductible. And since the program is written for the Macintosh, it takes advantage of the machine's pull-down menus and allows a user to click through to any point or function via the mouse.

Checkwriter can handle up to 300 accounts at a time, and a single user can have an unlimited number of checking accounts. In addition, the program automatically verifies checking-account balances, including penalties and interest. Versions of Checkwriter are also available for the Apple II, IIe, and the Commodore 64.

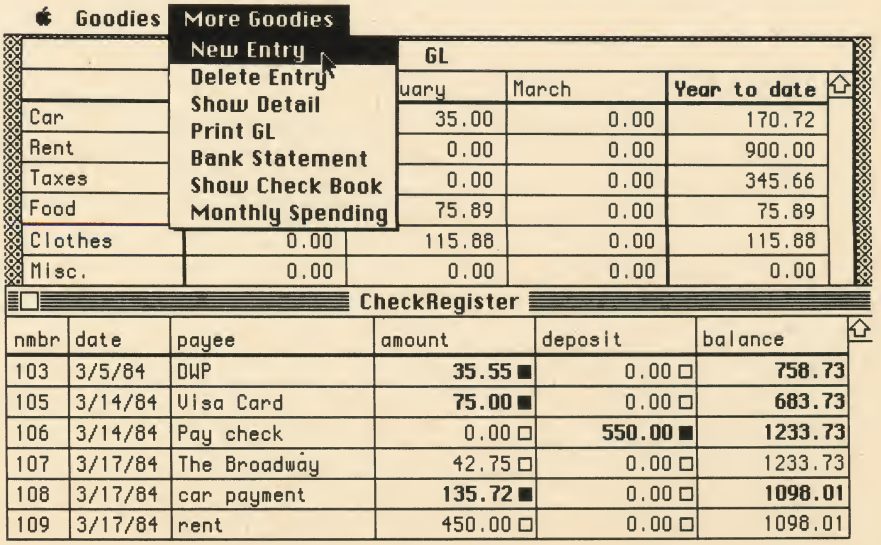


Checkwriter practically puts a 24-hour bank teller at the disposal of a Macintosh user.

Available from your dealer or:
Orion Training Systems
P.O. Box 94
Dallastown, Pa. 17313
717-757-7721
Retail Price: $69.95
Release Date: September, 1984

like the ones a user would receive from a bank. This is accomplished through the Macintosh's user interface and graphic capabilities.

Available from your dealer or:
Intermatrix
5547 Satsuma Ave.
North Hollywood, Calif. 91601
818-509-5868
Retail Price: $74.95
Release Date: October, 1984



Chequebook, written by Intermatrix for the Macintosh, is a checkbook register with a built-in general ledger. It is designed to look like a typical checkbook.

QUEST Client Writeup and QUEST Small Business

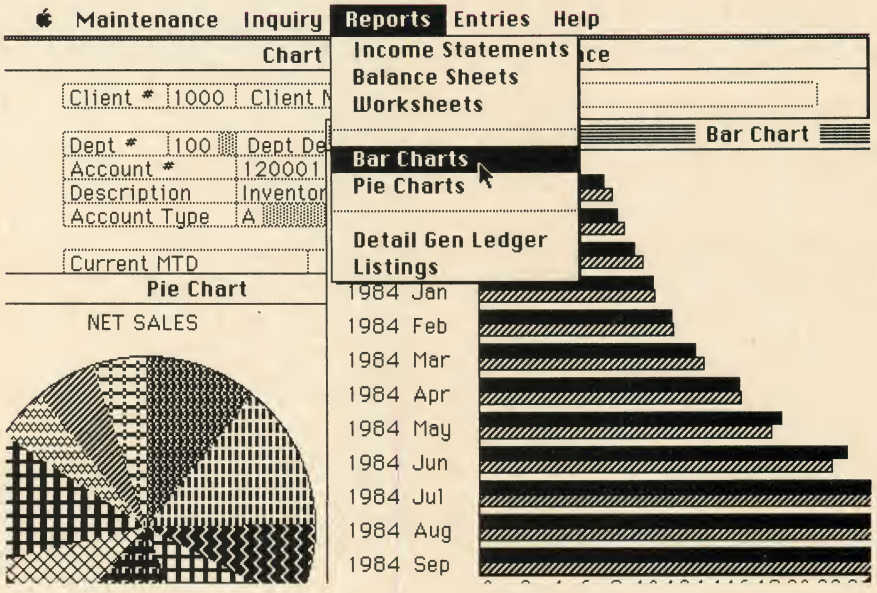
Accounting

System Requirements: 128K Macintosh; one disk drive.

The QUEST Client Writeup and QUEST Small Business software systems are designed to be easy-to-use accounting packages that take full advantage of the available features of the Macintosh computer, including the ability to insert, manipulate, and retrieve information by clicking the computer's mouse.

For instance, the Client Writeup system includes such features as automatic production of journal entries; 12- or 13-period accounting periods; self-formatting financial statements with standard formats for Balance Sheet and Income Statements; and maintenance of complete weekly and monthly payroll registers, along with the ability to record separate 941, W-2, and 1099-form information. These forms can be printed out in hard-copy format on a Macintosh-compatible printer if desired.

Other features of the Client Writeup system include built-in bar and pie-chart generating capabilities and the ability to edit entries without returning to an edit mode by inserting and deleting data as the user progresses through the program.



The QUEST Client Writeup system produces easy-to-read pie charts and bar graphs that make excellent use of the Macintosh's graphic capabilities. Several of these charts are included in the system and many more can be created by the user.

The other system, QUEST Small Business, gives a small-business owner the opportunity to automate his or her accounting whether or not they have a working knowledge of the Macintosh machine. Like the QUEST Client Writeup system, it takes full advantage of the capabilities inherent in the Macintosh, namely the ability to enter, manipulate, and retrieve information just by clicking the computer's mouse.

The Small Business system includes an accounts-receivable function that allows a user to determine cash flow and assess service charges to any and all customers with past-due bills. It also contains an inventory function that can tell how well items actually sell, track seasonal sales, and display all pertinent information about the 12-month sales history of an item in an easy-to-understand bar graph. No special charting or data-base program is necessary to perform this task.

In addition, the QUEST Small Business system offers a special one-step process that lets a user create an invoice, update inventory, and charge a customer all at once. And it includes a daily register that summarizes all daily business activity for transfer to a general ledger, or this information can be posted automatically as is.

When used with the Macintosh computer this software also lets a user make inquiries about a customer's account number or accounts-receivable status while doing invoicing.

Available from your dealer or:
Applied Logic Systems, Inc.
2614 North 29th Ave.
Phoenix, Ariz. 85009
602-272-9355
Retail Prices:
$695 QUEST Client Writeup
$695 QUEST Small Business
Release Date: October, 1984

Don't go fishing for software that won't solve your problems.



TimeBase™ is the world's first "software centralizer". It allows you to manage your software instead of letting your software manage you. This versatile time manager organizes your day-to-day business activities by enabling you to integrate information from your database, word processor, spreadsheet, or any other Macintosh™ software, to your busy schedule. Now there is a reason to leave your Macintosh™ on all day.

TimeBase™ keeps track of your daily, weekly and monthly schedules several years in advance, and it can track up to four independent schedules. Each appointment can be quickly marked with a priority level to avoid conflicting appointments. Special occasions, reminders and recurring appointments are entered into your schedule as quickly as you can click your mouse. You can locate an available time slot in your schedule with a single click ... and schedule an appointment with a second click.

TimeBase™ will even locate an appointment you have scheduled up to one year in advance, in seconds. Just because you forget ... TimeBase™ doesn't!

At the same time it allows you to access and link data from other application software to these appointments. It's as easy as "cut and paste."

TimeBase™ special "T.M.P." feature provides you with Tracking, Maintaining and Planning capabilities. You can track callbacks, accounts payable/receivable and time cards. Maintain expense records, phone numbers and addresses, cash flow, billing cycles, service contracts and timely mailings. Even short and long term planning are made simple by TimeBase™.

A variety of standard business forms and letters are also provided. These link quickly and easily to your database, can be customized, and allow for personalized mailing.

SoftDesign

A Time Whose Idea Has Come

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- ☐ Please rush me more information
- ☐ Please rush: ____ TimeBase program(s) at $149.95 ea.
- ☐ Check/Money Order enclosed $ _____ (Add $3.50 per program for delivery & handling)
- ☐ Visa ☐ MasterCard

Acct. No. _____

Expires _____ Signature _____

Name _____

Address _____

City _____ State _____ Zip _____

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Miami, Florida 33186
(305) 253-5521

Gallery

Accounting; integrated modules

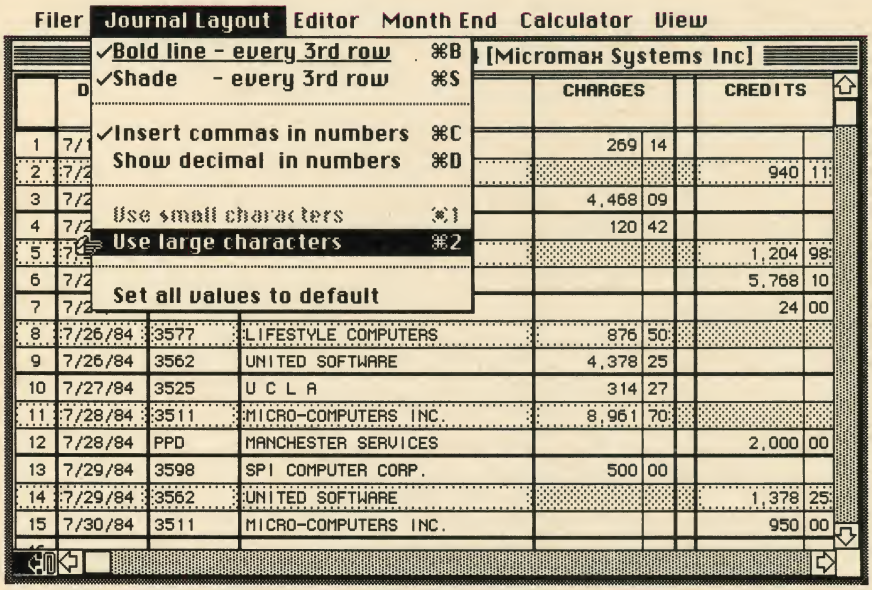
System Requirements: 128K Macintosh; one disk drive.

Gallery is an accounting and business-management package that makes maximum use of the graphics, menu, and mouse-command capabilities of Macintosh and Lisa.

The program was designed for ease of learning, even without the instruction manual. Its highly visual and simple format permits intuitive learning—where the user is able to make correct guesses at each successive step.

Training ought to take less time since Gallery is set up in the "pegboard" style used by so many smaller companies. Anyone familiar with the manual system will find it easy to switch over to the computer. This would also make it easy for a company to change over to the computerized system from its manual pegboard system—as long as the chart of accounts remains the same.

And, if the computer should be unavailable or not working, the company's manual system could be used as a backup until the electronic system is back on line.



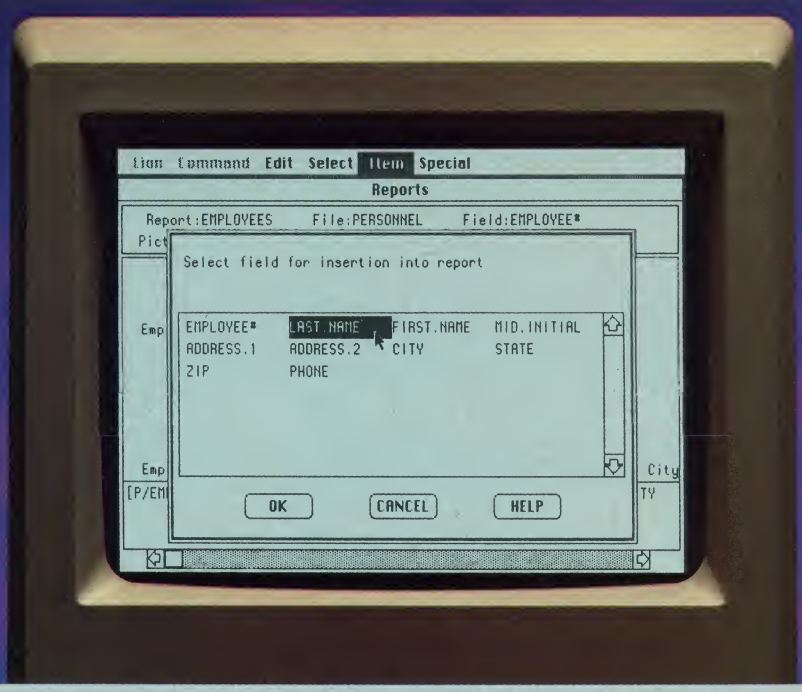
1	7/1				269	14		
2	7/2						940	11
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4	7/2				120	42		
5	7/						1,204	98
6	7/2						5,768	10
7	7/2						24	00
8	7/26/84	3577	LIFESTYLE COMPUTERS		876	50		
9	7/26/84	3562	UNITED SOFTWARE		4,378	25		
10	7/27/84	3525	U C L A		314	27		
11	7/28/84	3511	MICRO-COMPUTERS INC.		8,961	70		
12	7/28/84	PPD	MANCHESTER SERVICES				2,000	00
13	7/29/84	3598	SPI COMPUTER CORP.		500	00		
14	7/29/84	3562	UNITED SOFTWARE				1,378	25
15	7/30/84	3511	MICRO-COMPUTERS INC.				950	00

The first Gallery package to be released will be the core module of accounts receivable, accounts payable, general ledger, balance sheet, and income statement. Additional modules under development are payroll/personnel, order entry/invoicing, inventory control, purchasing/receiving, business graphics, and many more.

Adaptations of Gallery will be available for selected vertical markets such as medical/dental, legal, hospital/nursing home, construction, and retail.

Available from your dealer or:
MICROMAX SYSTEMS, INC.
6868 Nancy Ridge Drive
San Diego, Calif. 92121
619-457-3131
Retail Price:
$795 One Write—Four-Module Package: Accounts Payable; Accounts Receivable; General Ledger; Balance Sheet/Income Statements.
Release Date: October, 1984

Gallery's layout is patterned after the familiar "pegboard" accounting system used by many small businesses. That makes it easy for them to convert to computerized accounting. Even businesses not now using a manual pegboard system will find Gallery simple to learn, thanks to the special Macintosh features used in the program.



A DATA BASE MANAGER SIMPLE TO USE NO MATTER WHAT YOU ASK OF IT.

Step by simple step, MacLion takes you wherever it is you need to go on your Macintosh.

The first time you use MacLion you can perform y number of functions. Set up simple lists such as stomer orders, customer files, invoices, payroll formation, parts files, employee details, or whatever ur business needs. Then as time goes by and you nt to build systems from your lists, MacLion commodates you with equal ease. No matter what mands you make upon MacLion, it possesses both e power and flexibility to meet them with ease

COMPLEXITY REDUCED TO SIMPLICITY

For example, the data dictionary lets you define the fields you want then pick and choose from the ctionary to create a new file. Simply. Change any field's finition in the dictionary and with the push of a button ange that field in all your files. Say goodbye to tedious petition of inputing data. Organize data in a variety of ys, then retrieve what you need quickly, thanks to ouse-assisted,pull-down menus. All so simple.

CONCEALED POWER REVEALED

Peek into the Mac toolbox and you'll discover editor for easy maintenance, a threaded interpreter to aximize memory, a compiler for fast running, a report iter, and a powerful language for the professional. As ur business grows, and with it the need for more phisticated systems, MacLion reveals a whole new mension of responses. Using MacLion's own powerful siness-oriented programming language, you can create stom applications, set up sales orders, inventory, neral ledger accounting, and run programs interac-ely. Even compile programs for speed.

Another big plus of MacLion: because it lets you ite programs geared to the particular way your busi-ss is set up, you no longer need to sacrifice your methods to preconceived, off-the shelf software. You tell MacLion what to do and your employees how to do it through the help mode. You can do all that and much more with MacLion. But no matter what you call upon MacLion to do for your business, from the first time you use it or ten years from now, it will answer the only way it knows how: simply.

PROUD PEDIGREE

Although Mac Lion is a new concept in data base management, its lineage is a proud one. CSD, the makers of Mac Lion, developed this product as a natural evolution of our years of experience in data base management systems on micros.

MAC LION™

MONEY-BACK GUARANTEE

Compare Mac Lion with the competition and you'll see that its price tag of only $379 is indeed modest.

That aside, if Mac Lion doesn't prove to be all we say it is, return it within 30 days and you'll receive a full refund. Without a growl.

Should you be unable to locate a dealer selling Mac Lion in your neck of the jungle, please call our toll-free number 1 (800) 252-LION or (714) 634-9012 and we'll supply the information. Or send your check directly to:

CSD COMPUTER SOFTWARE DESIGN INC

1904 Wright Circle, Anaheim, California 92806

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Macintosh is a trademark of Apple Computers.

See us at COMDEX™/Fall '84
Booth No. 3958

Circle 4 on Reader Service Card

Mac the Knife™

VOLUME ONE:
A CLIP-ART
TREASURY

VOLUME TWO:
WORLD-CLASS
FONTS!

A Treasury of Clip-Art for the Macintosh™ with MacPaint™

Art for the rest of us. When you first laid eyes on the scrapbook pictures that came with your Mac, didn't you wish you had a disk full of such clever illustrations?

Well, now there is such a disk—Mac the Knife Volume One. It's chock full of over 500 useful illustrations, borders, business graphics, icons, maps and textures... all in convenient MacPaint files. They're ideal for publications, presentations, ads, coupons, flyers, letters, greeting cards or just plain fun!



Mac the Knife Volume One as seen in MacPaint.



Mac the Knife Fonts shown in MacWrite.

A Collection of over Two Dozen Fonts for the Macintosh™

Man does not live by Chicago alone. Do you yearn for the romance of Camelot, the thrill of Japanese brush calligraphy, or just want your Imagewriter to print like your good ol' typewriter? Then what you need is to put on a new face—a new typeface! Or two... Well, how about two dozen new typefaces for the Macintosh?

Mac the Knife Volume Two is two dozen fonts in all kinds of sizes—and styles: from decorative display faces to practical text fonts. Our fonts install easily with Apple's Font Mover utility, and work in most Mac applications that sport a Font pull-down menu. Most Mac the Knife fonts are complete with foreign characters, many with fractions, lots with hidden icons, and even some with built-in borders.

Mac the Knife and MacAttack are trademarks of Miles Computing, Inc. Macintosh is a trademark licensed to Apple Computer, Inc. Apple, the Apple logo, Imagewriter, MacWrite and MacPaint are trademarks of Apple Computer, Inc.

MAC ATTACK



Tank Commanders Needed

To command the first arcade-quality Tank simulation for the Macintosh

You're stationed at the controls of a radar-equipped Sherman Tank, rumbling across the vast landscape of Alaska's battle zone. It's the brink of World War III and you alone defend the city during invasion. To survive, you must out-maneuver the conventional and heat-seeking missles that opposing tanks and fighter aircraft hurl at you. Only a precise burst from your own tank's cannon can destroy the enemy.



MacAttack features life-like 3-dimensional animation and simultaneous sound. With the Macintosh mouse and keyboard you control the speed and direction of your tank, as well as cannon/turret aim and firing. Radar, Ammo-load, and scoring are fully-automatic. At last, Miles Computing brings the thrill of arcade gaming to your Macintosh!

All three now available at finer software stores everywhere. And watch for another arcade-quality game coming in December, MacWars.

Miles Computing, Inc.

7136 Haskell Avenue, Suite 212
Van Nuys, California 91406
(818) 994-7901

Telex 595863, MILES COMP / TWX 9103337664

Illustrations and fonts in this ad are not necessarily original size.

Circle 5 on Reader Service Card

dbsPay

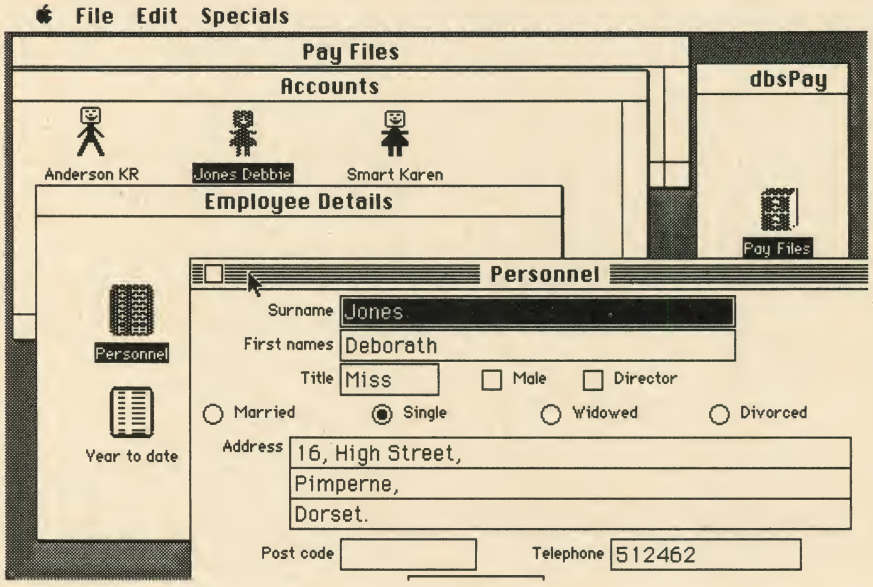
Payroll

System Requirements: 128K Macintosh; one disk drive. Special Requirements: External disk drive for 50 or more employees and an Imagewriter printer.

dbsPay is a personnel and payroll application program for the Macintosh that relies heavily on the computer's graphic-output and mouse-input capabilities, making it easy to use.

It supports all tax codes; weekly, monthly, and other payment frequencies; up to 16 before-tax and after-tax additions; rounding of net pay for cash-flow analyses; overseas tax allowances; password protection; pension-plan data; and more.

dbsPay also produces a variety of personnel reports, including pay-slip reports, check summaries, employee summaries, credit-transfer summaries, overall pay summaries, and employee address labels. And it can be used in companies or departments with one to several hundred employees.



Available from your dealer or:
Deverill Business Systems
3 Luscombe Road
Poole
Dorset BH14 8ST, England
Poole 0202-741391

dbsPay is a software program for the Macintosh that lets personnel managers in companies with a few to several hundred employees record and track vital information and statistics on each employee.

MacAccounting

Accounting

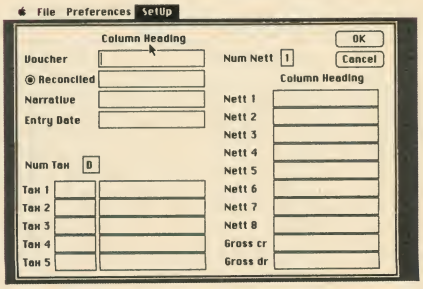
System Requirements: 128K Macintosh; one disk drive.

MacAccounting is actually two separate accounting programs for home and small-business users of the Macintosh in one: MacCash and MacLedger.

MacCash is a cashbook program that a small company can use to control cash flow and value-added tax records. It can also be used as a petty-cash book by a company of any size, or as a personal finance tool by a private individual.

MacLedger keeps a record of all customer and supplier accounts in addition to a full audit trail that can be given to an accountant or auditor. It comes with a common ledger-card format, which a user can specify for customers or suppliers. It can also analyze account balances by three separate aging periods so outstanding debts can be easily identified.

Available from your dealer or:
Peachtree Software International Ltd.
99 King Street
Maidenhead
Berkshire SL6 1YF, England
Maidenhead 0628-32711
Release Date: October, 1984



MacCash can be used to control cash flow, keep tax records, track petty cash, and more.

WITH MEGAHAUS, YOU CAN TURN YOUR MACINTOSH INTO

SUPER MAC.

NOW! NEW, SUPER SOFTWARE FOR THE MACINTOSH!

Look! It's a bird! It's a plane! No...it's four super new programs from Megahaus Corp.

Each one compliments the other to make your Macintosh into a super machine by forming a powerful, integrated system!

MegaMerge

MegaMerge is THE mail merge program for MacWrite! With MegaMerge, you can use MacWrite to create form letters, print mailing labels and more! You can even overcome MacWrite's limited document size by "chaining" several documents together and printing them as one, long document!

MegaFiler

If you do any filing at all in your home or office, you NEED MegaFiler!

It's the file management system for the Macintosh that lets you file and retrieve information with EASE!

You can store names, addresses or other information using MegaFiler's library of ready-made files for:

- Mailing Lists
- Customer Orders and Invoices
- Home Management
- Business Inventory
- Customer Files
- And MUCH more!

You can also design your own files using MegaFiler's fun-to-use design file! You can also print lists, tables, mailing labels and MegaMerge mailing lists. You can even incorporate them into MacWrite and other Macintosh applications!

Here's what else MegaFiler can do:

- Sort information on any field.
- Find forms based on any criteria you choose. For example, find all the people who live in California whose names begin with "S" and own a Macintosh and print them in zip code order.
- You can manage several files at one time.
- You can cut information from one file and "paste" it into another.

MegaFiler is truly the file management system you've been waiting for.

Discover how super it really is!

MegaForm

MegaForm is an easy-to-use forms and reports generator. You can use MegaForm to create actual-size forms and reports such as:

- Invoice Forms
- Order Forms
- Purchase Orders
- Expense Reports
- And MUCH more!

With MegaForm you can draw forms and reports exactly the way you want them to appear. It will also help you fill out the form you just created, using MegaFiler. With MegaForm you can also draw, file, calculate and even sequentially number your forms!

MegaDesk

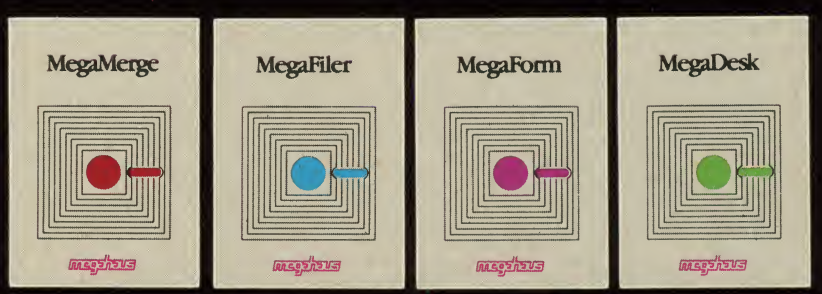
MegaDesk is something almost all of us can use. With MegaDesk, you get three desktop accessories...in other words, a program that you can run at the same time as other programs.

With MegaDesk you'll get: • A **Desktop "Appointment Book"** which is a calendar that shows you month, day and date. Every day has it's own page on which you can jot down information. • A **"Quicklook"** accessory which gives you a brief look into any MegaFiler file on your desk. • A **Reference Card** accessory which allows you to flip up a "window" containing any information you choose. We supply a complete library of reference cards and you can also add your own!

The Megahaus family of software products truly does make your computer work harder and easier. They can also turn a mild-mannered Macintosh into "Super Mac"...faster than a speeding bullet.

Macintosh is a trademark licensed to Apple Computer Inc. MacWrite is a registered trademark of Apple Computer, In. MegaMerge, MegaFiler, MegaForm, MegaDesk and Megahaus are registered trademaks of Megahaus Corp.





megahaus

WE MAKE COMPUTERS WORK HARDER. Easier.



Megahaus Corp.
5703 Oberlin Dr.
San Diego, CA 92121
Call (619) 450-1230

Rags To Riches

Accounting modules

System Requirements: 128K Macintosh; one disk drive; printer.

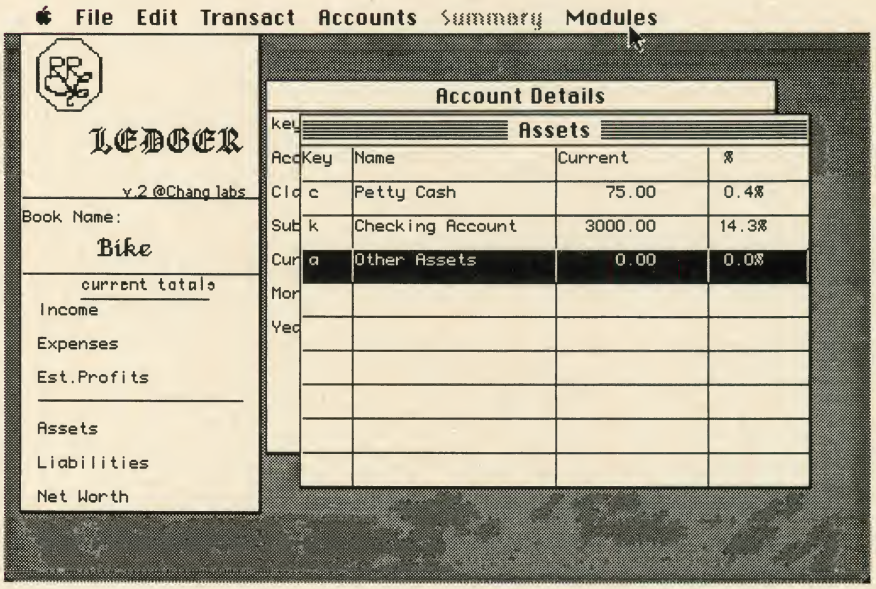
Rags To Riches is a four-module set of accounting programs for small businesses. It was designed to provide simple, low-cost accounting that is easy to learn because it does things the way the user does them. Learning instructions are built in, but there isn't a lot to learn once the first module has been mastered. All four modules use the same basic commands and are fully integrated on one disk.

The Ledger is the nucleus module of the system. It contains the chart of accounts and keeps track of income, expenditures, assets, liabilities, and net worth. A variety of reports are available at any time.

The Receivables module is for those businesses that send invoices and statements to customers. It's a complete, automated billing system that shows the exact status of any account at the touch of a key. It also handles wholesale and retail pricing, volume discounts, and makes tax calculations. It will also print invoices and statements, will audit customer accounts, and will print aging reports.

The Payables module is for businesses who buy from outside vendors. It contains a complete listing of vendor information including names, addresses, and normal terms of dealing with each. Totals are automatically accumulated as entries are made. Summaries are available with a mouse click. The user can set up payment schedules, get cash-requirement summaries, and generate audit trails.

The Sales module is designed to turn the computer into a sales register system. Like an electronic cash register, it allows the user to set up different departments, records the amount of each sale, figures the sales tax, calculates the change, and prints a receipt—complete with any message desired.



The built-in calculator helps the user figure multiple sales or discounts. There's also room to type in a memo about any transaction. The Sales module allows up to 100 different totals for categories of merchandise or types of receipt, and will report the total business for each day in many different formats.

The information from any module can be merged into the Ledger at the end of each day, and it's automatically posted where it belongs.

Available from your dealer or:
Chang Labs
5300 Stevens Creek Boulevard
San Jose, Calif. 95129
Release Date: November, 1984

Rags To Riches is a four-module accounting system for small businesses. The Ledger, Receivables, Payables, and Sales modules are fully integrated so any piece of information has to be entered only once.

BOOKS! The Electric Ledger

Accounting

System Requirements: 128K Macintosh, one disk drive.

BOOKS! The Electric Ledger is an accounting system that is designed to work the way accountants and bookkeepers have always worked. That means it's intended to reduce the time it takes to learn.

Ledger sheets appear right on the screen, and entries are made on these screen pages with only a few keystrokes. BOOKS! allows the user to scan or add to the chart of accounts while in the middle of a journal entry.

Viewing entire journals and ledgers is as easy as flipping through pages or changing binders. BOOKS! allows for 512-character journal-entry descriptions and 30-character account names. It even allows for the account description to be the account number if the user prefers that method over some kind of numbering system.

BOOKS! can be instructed to prompt for logical offsetting entries. Prompting can also be created as a chain which can be useful, for example, in the payroll cycle. In addition, the entire chart of accounts listing is on line and can be reviewed without leaving an entry.

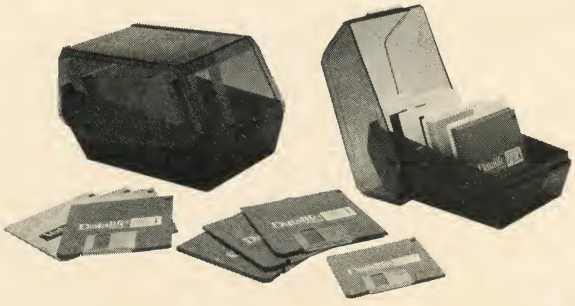
Available from your dealer or:
Systems Plus, Inc.
1120 San Antonio Road
Palo Alto, Calif. 94303
Retail Price: $395
Available now

INTERNATIONAL DATAWARES, INC.
908 George Street, Santa Clara, CA 95054 ◆ 408-988-5594

Micro Disk Minder™

- *High Volume Capacity Holds 36, 3.5″ Diskettes (also 3.25″)*
- *Molded from Durable Smoked Plastic*
- *Solid Molded Index Dividers Supplied*
- *Safe, Dust-Free Environment*
- *Fast and Easy Access*

Suggested Retail Price $24.95



Penta Pac™

A handy way to keep your 3.5 microdisks filed for easy access. The set includes colorful, attractive pacs for each of five different files. MacPaint.™ MacTerminal.™ MacWrite.™ MultiPlan.™ And generic files.

Inside, five disks fit snugly, protected from dust, dirt and spills. Sized to be portable, you can slip Penta Pacs into your handbag, backpack or attache. Carry your work from here to there.

Use MacPaint and create your own cover inserts. They can be slid into place easily. Customize Penta Pac to your specific needs. You will find a set waiting for you at your retail computer dealer. But, should your local dealer not have Penta Pac yet, call us.



Suggested Retail Price $14.95

For more information write or call. Dealer inquires invited.

Circle 6 on Reader Service Card

Microsoft CHART

Business graphics

System Requirements: 128K Macintosh; one disk drive.

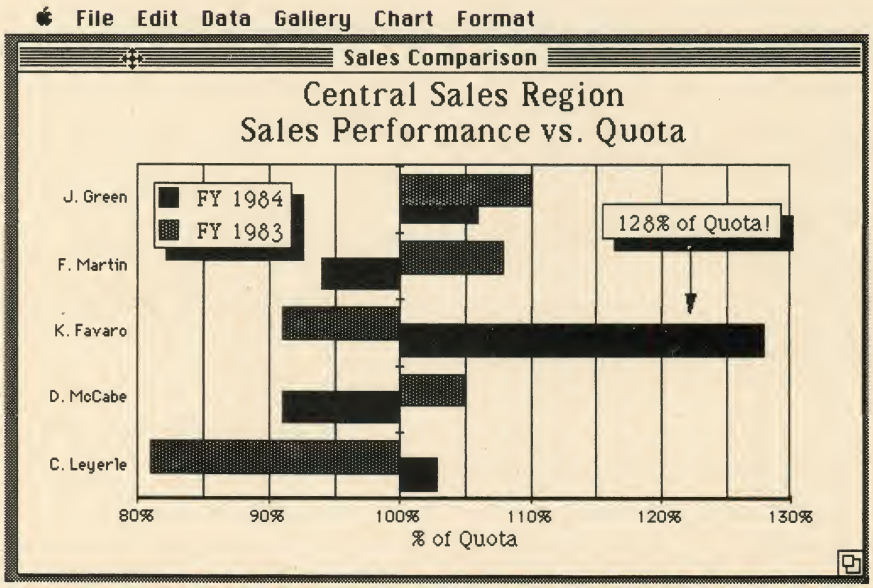
Microsoft CHART is a complete, stand-alone business-graphics program that is also integrated with other Microsoft programs for the Macintosh: Multiplan, WORD, and BASIC. CHART can be used for quick charting with 40 standard chart formats, for analysis using formats and calculations custom designed by the user, or for presentation-quality graphics. Even the standard formats can be customized, which gives the user a fast start in setting up a chart as well as the capability of changing it to fit specific needs.

Text can be placed anywhere on CHART. Each of the program's individual objects—title, axis, labels, lines, legends, etc.—can be individually modified or positioned. The user can choose from 10 major types of charts, including pie, bar, and line charts. If one type doesn't look right, a click of the mouse can change it into another type.

The Macintosh allows CHART to provide many innovative and creative charting possibilities. Charts can be overlayed, expanded, contracted, shaded, bordered, enhanced with pictures or drawings; the possibilities and combinations are endless.

Because of the close integration between Microsoft products, it's easy to move data from Multiplan to CHART. The user can even establish permanent links between them so that any change in the spreadsheet will automatically be reflected in the charts.

Available from your dealer or:
Microsoft Corporation
10700 Northup Way
Bellevue, Wash. 98004
800-426-9400
Retail Price: $125
Available now



Microsoft CHART is a versatile business-graphics system that is closely integrated with Multiplan and allows unlimited creativity thanks to the capabilities of Macintosh. Text, shading, numbers, comments, types of graphs, and more are all easily manipulated.

MacDraw

Designing and graphics

System Requirements: 128K Macintosh; one disk drive.

MacDraw is a custom graphics program that allows the user to design forms and technical illustrations, to create floor plans and maps, to prepare slide presentations, to customize graphs and charts, and more.

The program makes full use of the Macintosh mouse and all features of its user interface. Using just the mouse, for example, the user can draw straight lines, arcs, rectangles, circles, freehand sketches, and any number of combinations. Then text can be added for labels, captions, and headlines.

MacDraw's tools and commands allow the creation of precise and detailed illustrations. There's a palette of lines and shapes, standard and custom rulers for exact measurements, a grid for aligning objects, and even a "rotate" command.

Editing a drawing is also easy. The user can add, delete, move, reshape, resize, and combine, all at any time with a click of the mouse. The user can also work with as many as four MacDraw documents at one time.

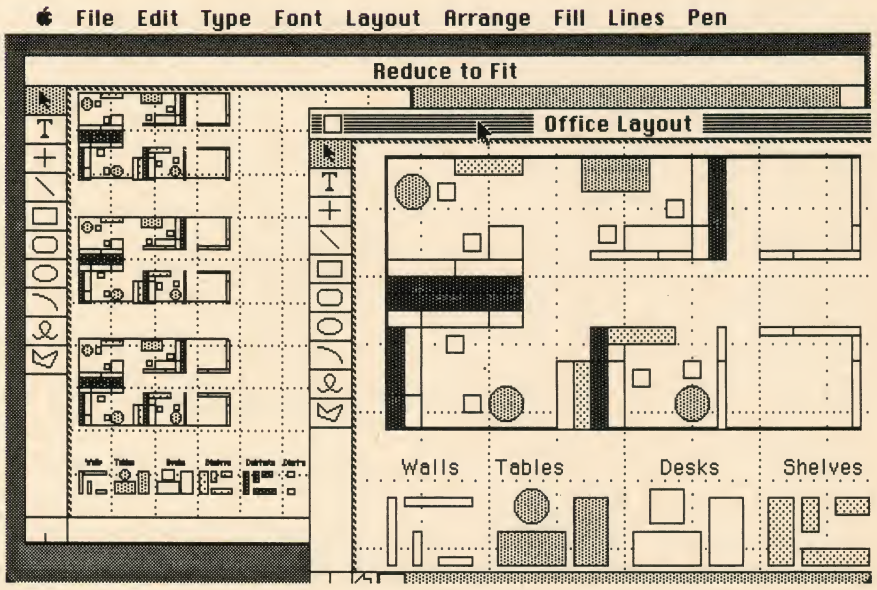
The program makes full use of the Macintosh cut-and-paste feature, allowing the user to move documents from one document to another and from one Macintosh application to another.

And the size of a MacDraw document

can be anything from a one-page scale drawing to a multi-page floor plan as large as eight by 10 feet. Even for such huge documents, MacDraw creates them in the same, intricate detail as smaller documents.

Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $125
Release Date: November, 1984

MacDraw allows the user to create structured graphics of many kinds and for virtually any purpose. Objects can easily be changed, duplicated, eliminated, etc.



File Edit Play

Klondike



Solitaire for the Mac!

Match your skill and luck against **Klondike**, the challenging new game for the Macintosh.

Klondike is the most popular version of solitaire, so you probably already know the rules. Even when you know the rules, though, Klondike is tough to beat.

Completely mouse-controlled, the odds against beating Klondike are 30-1. You might be tempted to cheat when facing those kind of odds, but don't get caught peeking or you'll be penalized!

Scoring records may be kept for elapsed time taken to win or for progress made before losing. This allows you to compete not only against Klondike, but against your friends too.

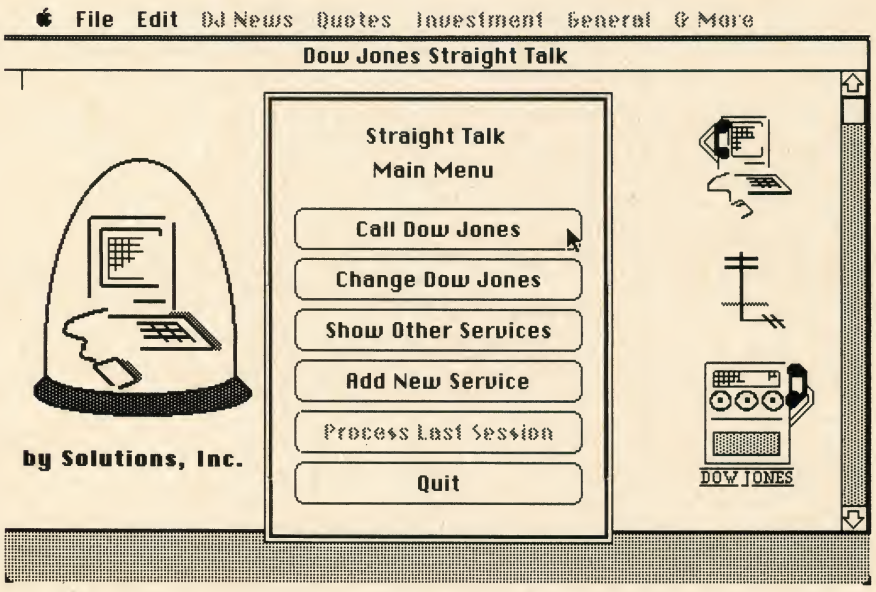
So if you're looking for a fun, challenging game for the Macintosh, discover Klondike. Only $39.95. AVAILABLE NOW!

To order, call Toll-Free: In U.S. 800-772-2666, Ext. 956. In California, 800-227-2634, Ext. 956. MasterCard and Visa Accepted. Or see your local software dealer. Send check or money order to: CCC, 465-A Fairchild Dr., Ste. 122, Mt. View, CA 94043, 415-968-7511. Dealer inquiries invited. Add $2.00 shipping and handling. California residents add state sales tax.

Dow Jones Straight Talk

Communications

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Modem and modem cable. Inclusions: Free password to the Dow Jones News/Retrieval service and one hour of unrestricted use.



The Dow Jones Straight Talk program connects the Apple Macintosh to the Dow Jones News/Retrieval service and other remote data bases. The program takes advantage of the Macintosh's graphic screens, pull-down menus, and mouse.

Dow Jones Straight Talk is a communications software program that connects the Apple Macintosh to the Dow Jones News/Retrieval service, The Source, CompuServe, and other remote data bases.

With it any Macintosh user can access on-line information, such as up-to-the-minute news from Wall Street, Japan, or around the world. A user of this program can even receive the latest sports, weather, and entertainment information, or send and receive a document via electronic mail. In addition, Straight Talk allows a user to send and receive text files prepared by MacWrite for editing purposes.

The program takes advantage of the Macintosh's graphic screens, pull-down menus, and mouse to allow a user to automatically or manually go on line. And Macintosh desk accessories, such as the Note Pad and Scrapbook, can be used with the program as well.

Dow Jones Straight Talk also includes a free password to the Dow Jones News/Retrieval service and one hour of unrestricted use. In order to access Dow Jones and the various other data bases, a user must also have an Apple Modem, Hayes Smartmodem 300/1200, Novation Smart-Cat, or some other compatible modem. A Macintosh modem cable is also required.

Available from your dealer or:
Dow Jones & Company, Inc.
P.O. Box 300
Princeton, N.J. 08540
800-257-5114
Retail Price: $79
Release Date: August, 1984

BLAST

Communications

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Asynchronous modem (optional).

BLAST is billed as a gate to the existing world of incompatible diskette machines. BLAST is different from other communications programs because of its ability to transfer binary data of any type. It has all the benefits of synchronous communications using inexpensive asynchronous modems.

This allows the Macintosh to transfer programs, data, graphics, electronic mail, and other file types between a Macintosh and any of more than 80 other brands of micro, mini, or mainframe computers, at twice the speed of asynchronous packages.

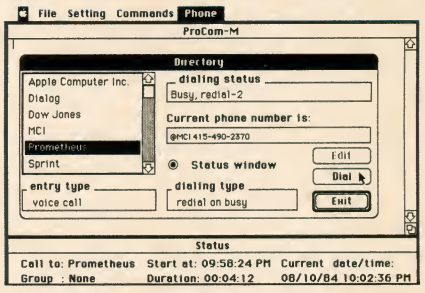
The program provides error-free transmission—for all data types—through direct connection, modem, or a local area network. It's also capable of true full-duplex, bidirectional transmission (to send and receive at the same time) using the full capacity of common modems.

Terminal capability is provided so the user can log on to a host computer and perform normal interactive operations in addition to file transfer. Information on the screen can be pasted into other Macintosh applications.

BLAST also provides access to remote services such as The Source, Newsnet, and Easylink. The program can transmit

PROCOM-M

Telecommunications



Here is a PROCOM-M screen showing how the program is structured to use the Macintosh mouse to full advantage.

System Requirements: 128K Macintosh; one disk drive; and any Prometheus-compatible or Hayes command-compatible modem.

PROCOM-M communications software for the Macintosh provides access to many electronic data bases, including the Dow Jones News/Retrieval service, The Source, and CompuServe, all with just one or two clicks of the computer's mouse.

The program has the ability to transfer Macintosh applications, data, and text files between any computer systems supporting the XMODEM file-transfer protocol. This means Macintosh files can be transferred error free between Macintoshes, Apple IIs, and other computers supporting this protocol.

PROCOM-M also has a 50-number phone directory. A user can select an appropriate name for each entry and then configure dialing options, macro commands, and other program features so that dialing can be accomplished using the computer's mouse.

With the program's built-in macro capability a user can issue a set of predefined commands to log on to data bases and/or retrieve specific information (Dow Jones stock quotes, news releases, etc.). A user can also specify the time and date that macros will be executed and retrieve the resulting information unattended.

PROCOM-M provides a log of calls made, including date, time, call duration, and number or name called. This information can be used to determine the cost and the utilization of the different computer services being accessed. It can also be used to check the accuracy of service bills.

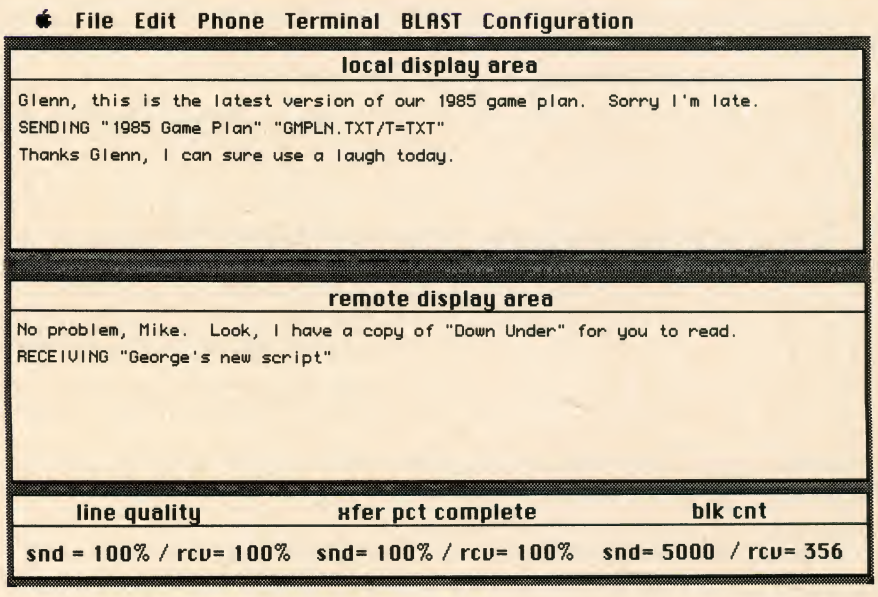
PROCOM-M is available for any Prometheus-compatible or Hayes command-compatible modem. It can be purchased separately or as part of the Prometheus MAC PAC, which includes a Prometheus PROMODEM 1200, a MAC to PROMODEM cable, and the PROCOM-M software.

Available from your dealer or:
Prometheus Products, Inc.
45277 Fremont Blvd.
Fremont, Calif. 94538
415-490-2370
Retail Prices:
$99 PROCOM-M
$549 MAC PAC
Release Date: October, 1984

text from diskette and receive text to the diskette without the need for the service to be equipped with BLAST.

BLAST includes a free, introductory subscription to Newsnet and Easylink so new users can determine whether or not the services will suit their needs.

Available from your dealer or:
Communications Research Group
8939 Jefferson Highway
Baton Rouge, La. 70809
504-923-0888
Retail Price: $250
Release Date: September, 1984



BLAST gives the Macintosh the best features of synchronous, full-duplex communications with more than 80 different brands of micro, mini, and mainframe computers—all at the price and convenience of asynchronous communications.

MACMODEM

Communications

Inclusions: Modem; telephone cord; communications software; cable; user's manual; and quick-reference card; free time on Dow Jones.

MACMODEM is a complete telecommunications system that includes all necessary hardware and software. The package also includes $75 worth of time on Dow Jones News/Retrieval, plus a toll-free help line to the vendor, Microcom.

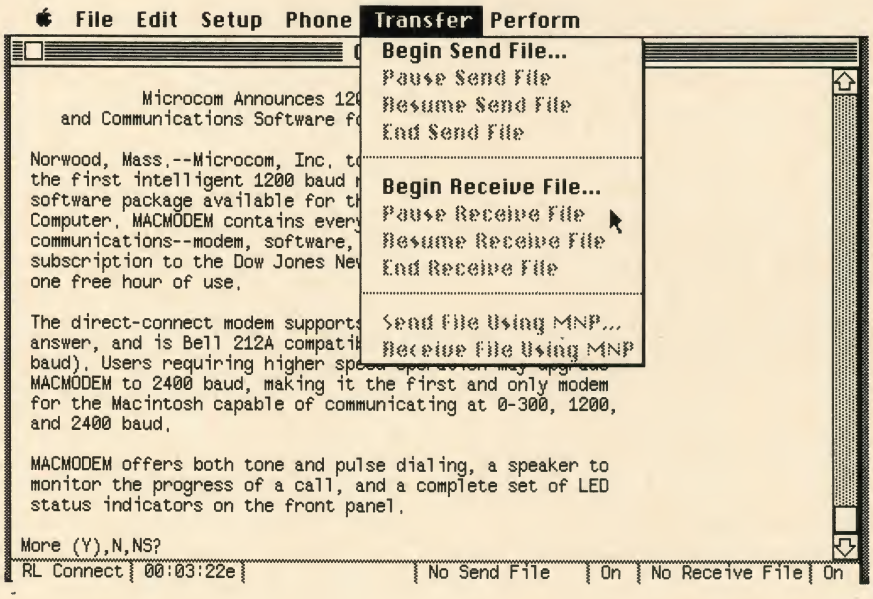
The product will give the Macintosh communications capability to reach all on-line services, bulletin boards, and other computers with compatible modems. It uses the simplicity of the Macintosh mouse to accomplish usually complex tasks, such as log-on sequences, data retrieval, and file transmission. Installation is simple. It just plugs into the Macintosh's communication port.

MACMODEM will operate with either tone or pulse dialing systems. The package will automatically dial numbers and answer calls, which allows the Macintosh to operate unattended for either sending or receiving.

You can program it to operate whenever phone rates are lowest to send a report across the country, or call up The Source to check airline schedules, or leave a message with a colleague's computer about a change of plans. You can also leave the Macintosh on in the receive mode for long periods so it will get any messages that come in when you're not there.

It will transmit at either 1200 or 300 baud, and can be upgraded at any time to add 2400-baud transmission speed. It allows the Macintosh to communicate with other kinds of computers, such as the IBM PC, the Apple II and III, or Radio Shack personal computers.

Microcom claims that MACMODEM will provide 100-percent, error-free service through its invisible protocol, MNP.



Available from your dealer or:
Microcom, Inc.
1400A Providence Highway
Norwood, Mass. 02062
617-762-9310
Retail Price: $599
Available now

MACMODEM takes advantage of the Macintosh's unique system of menus. As with most Macintosh applications, the mouse is used to make menu choices and move through the program functions.

MacTerminal

Data communications

System Requirements: 128K Macintosh; one disk drive; Apple (or other compatible) modem; RS-232 cable. For IBM 3278 communications, an AppleBus or Apple Cluster Controller is also required.

MacTerminal is software that allows the Macintosh to emulate several common data terminals, such as the IBM 3278, DEC VT100 and VT52, and TTY. The program can be used to transfer data between the Macintosh and a corporate mainframe or minicomputer, or can tap into electronic information services such as The Source, Dow Jones News/Retrieval, and CompuServe.

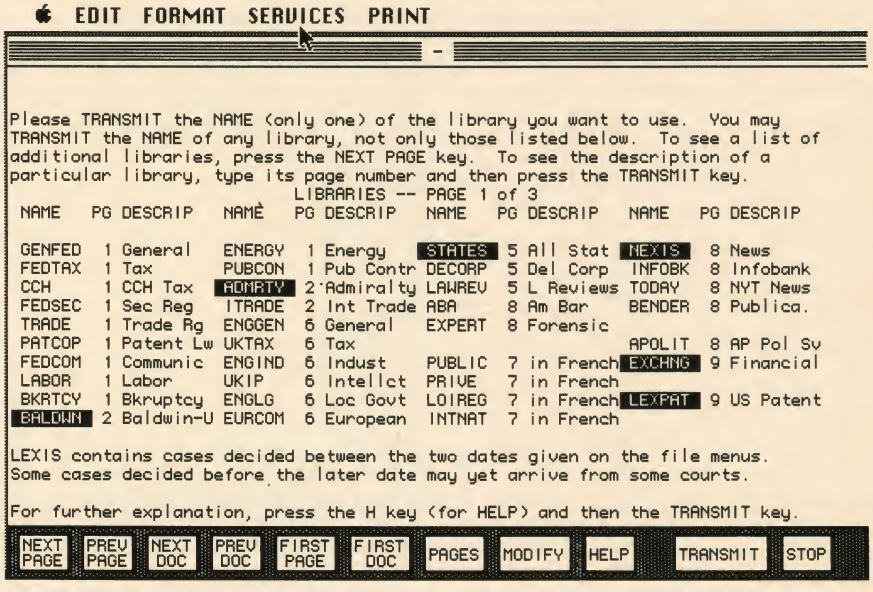
The user can integrate information obtained from remote computers into other Macintosh applications. The Macintosh receives data from another computer, copies it from MacTerminal, and pastes it into another application.

Data transfer works the other way, too. With MacTerminal, the user can transfer documents, pictures, system files, and applications between the Macintosh and other computers—across the hall or around the world.

LEXIS/NEXIS COMMUNICATIONS

Telecommunications

System Requirements: 128K Macintosh; one disk drive; modem. Special Requirements: A Mead Data Central subscription.



The LEXIS/NEXIS screen shown here is the library listing you get when you log on to the LEXIS data base. The commands along the bottom of the screen are activated simply by pointing with the mouse and clicking.

LEXIS/NEXIS COMMUNICATIONS Software is an asynchronous-communications software program that provides access to Mead Data Central services for Macintosh users. It supports communication with both LEXIS and NEXIS, two of the world's largest on-line, full-text data bases of legal, news, business, and general information, developed by Mead Data Central.

Access to both the LEXIS and NEXIS services can be accomplished via MeadNet, Mead Data Central's telecommunications network, or via GTE's Telenet public-telecommunications network.

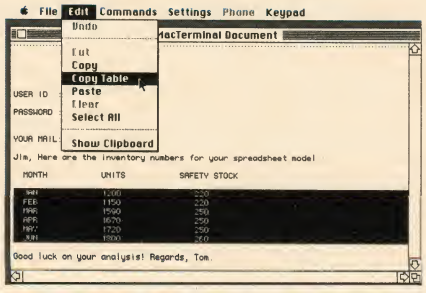
The software comes with preprogrammed function icons that simplify document and page selection, and help to specify the display format of retrieved documents. An icon is a graphic representation of a function or a task. All the user has to do is point to the desired one and click the Macintosh's mouse to obtain the needed result.

In order to use this package a user must be a Mead Data Central subscriber. If not, contact your local Mead Data Central office for more information. Current Mead Data Central subscribers should be aware that the sign-on procedure and the subscription agreement for this product may differ from those normally used.

Available from your dealer or:
Mead Data Central
800-227-4908
Retail Price: $225
Release Date: November, 1984

MacTerminal uses graphics and the mouse to make things easy. Pull-down menus and dialog boxes help with the communications process. Terminal setup is quickly accomplished by selecting options with the mouse. In short, MacTerminal works much the same as other Macintosh applications, so it should be easy to learn.

Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $99
Available now



MacTerminal allows the Macintosh to emulate certain data terminals and transfer data to and from mainframe and minicomputers. Documents or parts of documents can be received and integrated into other Macintosh applications, or sent to other computers.

DataTalker/MAC

Communications processor

System Requirements: 128K Macintosh; one disk drive. Inclusions: Processor, interface cable; software; user's guide.

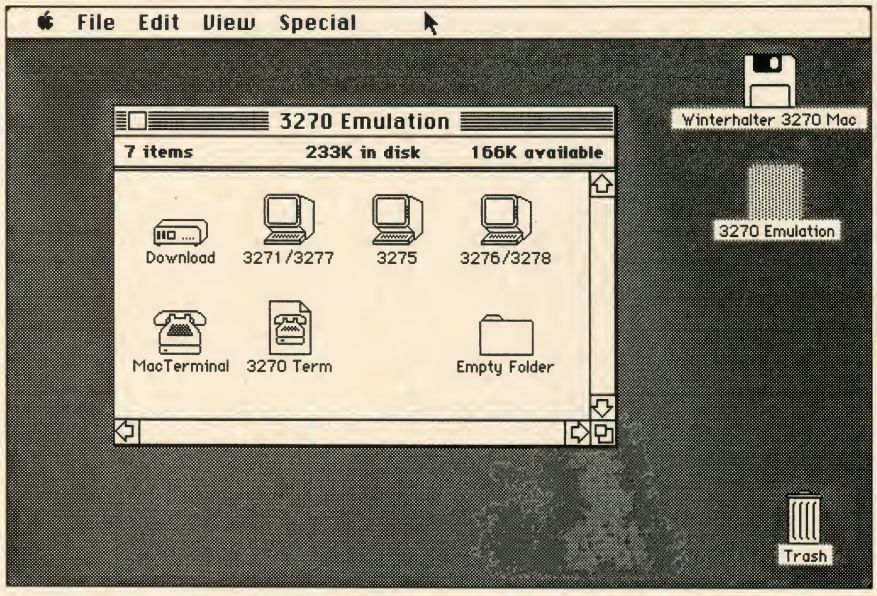
DataTalker/MAC is designed for Macintosh users who want access to IBM mainframe computers. An intelligent, front-end data-communications processor, the product allows the Macintosh to emulate IBM 3271/3277, 3274/3278, 3275, and 3276/3278 interactive terminals. Connection to remote mainframes is established via modems and telephone lines, or locally with modem eliminators or limited distance modems.

Controller characteristics include an audible alarm, device addresses, and transmission parameters that are user modifiable. Transmission code is also selectable between ASCII (used on most microcomputers) and EBCDIC (an IBM mainframe standard). All 3270 keyboard fucntion keys are supported.

DataTalker/MAC includes both hardware and software. Software that emulates IBM's 3270 protocol is supplied on diskette. Once the software is loaded into the Macintosh, it is downloaded to the DataTalker/MAC. Future enhancements and software updates will not require any modifications to the hardware.

A number of options will be available in months ahead. Among them: sending and receiving of screen images, enhanced file uploading and downloading, an AppleBus interface, and the SNA/SDLC protocol.

Available from your dealer or:
Winterhalter, Inc.
3853 Research Park Dr.
Ann Arbor, Mich. 48106
313-662-2002
Retail Price: $1,095
Available now



DataTalker/MAC uses Macintosh icons to select among a number of IBM terminal emulators. The Download function downloads software from the Macintosh to the DataTalker/Mac.

UMAX System

Macintosh/UNIX interface system

System Requirements: 128K Macintosh; one disk drive. Special Requirements: UMAX Shell on a host Unix-based machine.

The UMAX System turns a standard Macintosh into a workstation running as a front-end processor for a Unix multi-user system in a major corporation or small-business setting. It runs on the Macintosh as a separate application and requires the UMAX Shell on the host Unix-based machine.

The major benefit of using this software is that a Macintosh user, or his or her business, does not have to pay $15,000 or more for a bit-mapped dumb terminal to establish such a system. They can use the Macintosh and UMAX and get the same results at far less cost.

Other benefits of establishing a Unix-to-Macintosh connection include the ability to put the full array of Macintosh Quickdraw graphics to work in Unix applications, instant access by Macintosh users to corporate or other Unix-based data bases, and access by Macintosh users to a variety of Unix-based business software.

In addition, the Macintosh's windowing and icon-oriented interface has been called the easiest to use and most efficient

Tekalike

Communications

System Requirements: 128K Macintosh; one disk drive. Special Requirements: A modem is optional.

Tekalike is a data-communications software package that gives the Macintosh access, by modem or by direct connection, to most existing graphic application programs running on large mainframe computers. It is also available for the Lisa and the Apple II.

Tekalike uses the Macintosh's mouse to select menu options for setting communication parameters and for controlling local features. In addition, it lets a Macintosh user display graphics from a host mainframe computer, edit them with MacPaint, and paste them into other Macintosh applications, such as MacWrite.

Tekalike is compatible with most graphic applications running on IBM, CDC, CRAY, DEC, PRIME, and other mainframe systems. It is also compatible with Issco Graphics' Tellagraf, Disspla, CueChart, and Tellaplan; Precision Visuals' DI-3000 and Grafmaker; SAS/Graph; SPSS/Graf; Tektronix's Plot-10 and Easygraph; and many other mainframe graphic application programs.

In addition, Tekalike emulates the Tektronix 4010, 4012, 4014, and 4016 graphic terminals, and it supports color and pictures on local plotters manufactured by Apple, Hewlett-Packard, and Houston Instruments.

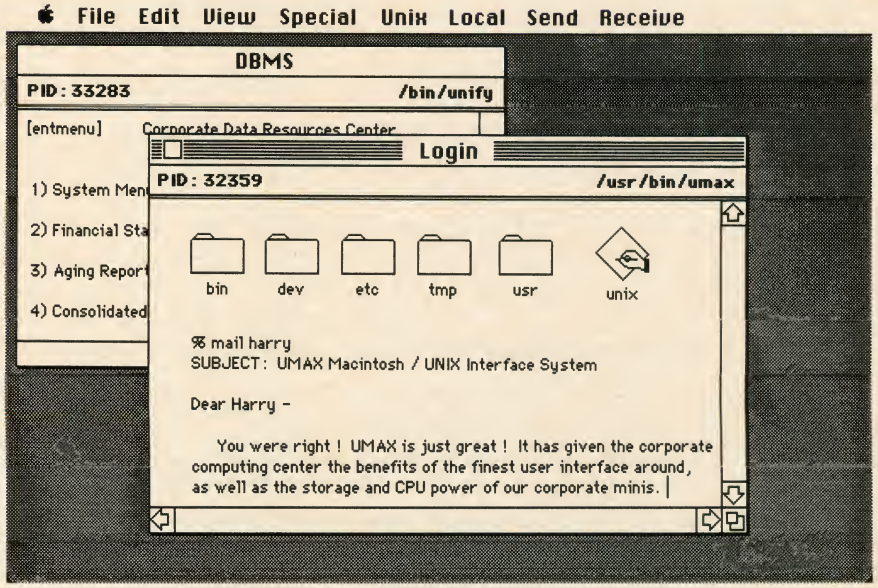
Tekalike also supports local zooming on graphic data, and it makes full use of the Macintosh's mouse for graphic input to a host application. Tekalike can also be used to generate MacPaint documents from graphics that can then be edited on a Macintosh running MacPaint.

Available from your dealer or:
Mesa Graphics
P.O. Box 506
Los Alamos, N.M. 87544
505-672-1998
Retail Price: $250
Release Date: September, 1984

Unix user interface available by researchers at MIT and Bell Laboratories.

An assortment of extra software developmental tools are also available from the manufacturer of the UMAX System for Unix programmers who wish to take advantage of the Macintosh's many capabilities when designing their applications. Examples of such applications are CAD/CAM, business graphics, simulations, medical applications, imaging applications, typesetting, and games.

Available from your dealer or:
Bell Technologies, Inc.
4817 Kathryn Court
Fremont, Calif. 94536
415-792-3646
Retail Price: $295
Release Date: November, 1984



The UMAX System combines the unique capabilities of the Macintosh with the power of the Unix operating system by turning the Macintosh into a high-performance workstation running as a front-end processor for a Unix multi-user system.

Attention Macintosh Dealers

Help your customers make the right buying decisions when they're thinking about buying a Macintosh or when they're planning to add to their systems with Macintosh software, peripherals, and add-ons.

Place your order now for copies of the Summer, 1985 edition of The Macintosh Buyer's Guide. It will be released next spring, and will be the only complete source of information about the hundreds of Macintosh products on the market.

The Summer, 1985 Macintosh Buyer's Guide will also be expanded to include product reviews and other feature material to help your customers make their purchasing decisions.

For more details on how you can have The Macintosh Buyer's Guide on hand to help you sell more product and serve your customers better, contact our circulation department at 305-231-6904, or see our ad on page 73.

PC to MAC and BACK

Communications

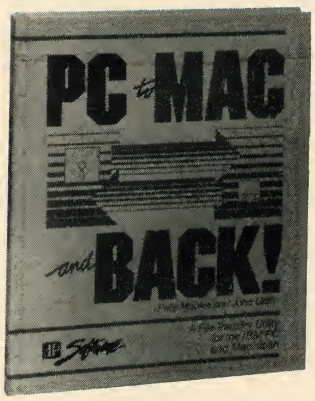
System Requirements: 128K Macintosh; one disk drive; modem recommended. 128K IBM/PC; one disk drive; modem recommended. Inclusions: User's guide; Macintosh disk; IBM PC diskette.

PC to MAC and BACK is a program designed to link the IBM Personal Computer to the Macintosh. It also provides each machine with the capability of acting as a terminal to connect to information services such as The Source, to bulletin boards, or to a mainframe computer.

For example, a person working with Multiplan on a PC could electronically transfer the worksheet to a coworker's Macintosh. Then the Macintosh user could edit or modify the worksheet and send it back to the PC. Another possible use would be for a PC user to send a report to a Macintosh where graphics and drawings are added before printing it out.

The program can also be used for PC-to-PC and Mac-to-Mac communications as well as communications with virtually any other computer that has an RS-232 serial port and its own communications software. It allows direct communications using a null modem, or remote communications using just about any common modem and phone lines.

Available from your dealer or:
dilithium Press
8285 SW Nimbus, Suite 151
Beaverton, Oreg. 97005
503-646-2713
Retail Price:
$99.95 Software only
$149.95 Software with cable
Release Date: September, 1984



PC to MAC and BACK is a communications link to transfer data between an IBM Personal Computer and a Macintosh. It transfers both text files and binary files with error detecting and automatic saving of transferred files.

Microsoft played an integral role in the development of the Macintosh. It has a lot of our personality. Here are the first titles in the MacBook Library from Microsoft Press.

MacWork/MacPlay

Lon Poole

MacWork/MacPlay is a gallery of ideas for home and business on the personable Macintosh. Lon Poole, author of the popular *Apple II User's Guide* and "Get Info" columnist for *MacWorld*, brings you 24 original projects for using the Mac's most popular application software: MacWrite, MacPaint and Microsoft Multiplan. Practical...inventive...and loads of fun.

$18.95
Available: August



Presentation Graphics on the Apple® Macintosh™

Steve Lambert

A step-by-step guide to using Microsoft's extraordinary Chart program. Even if you have no previous computer or graphics experience, you can create dazzling presentation graphics for corporate and professional use in a matter of only minutes.

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Cary Lu

Cary Lu observed the creation of the Mac firsthand and takes you behind the scenes with this comprehensive guide to how the Mac and its software work. You see exactly what you get—all in the friendly, visual style of the Mac itself. A unique insider's view of this historic advance in computer technology.

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Microsoft Press 10700 Northup Way Bellevue, WA 98004

MICROSOFT PRESS

High Performance Books Designed to Keep Pace with Our High Performance Software

INTERMATRIX

MacPhone™

for Macintosh* lovers only.



TELEMANAGEMENT SYSTEM
FOR OFFICE AND HOME

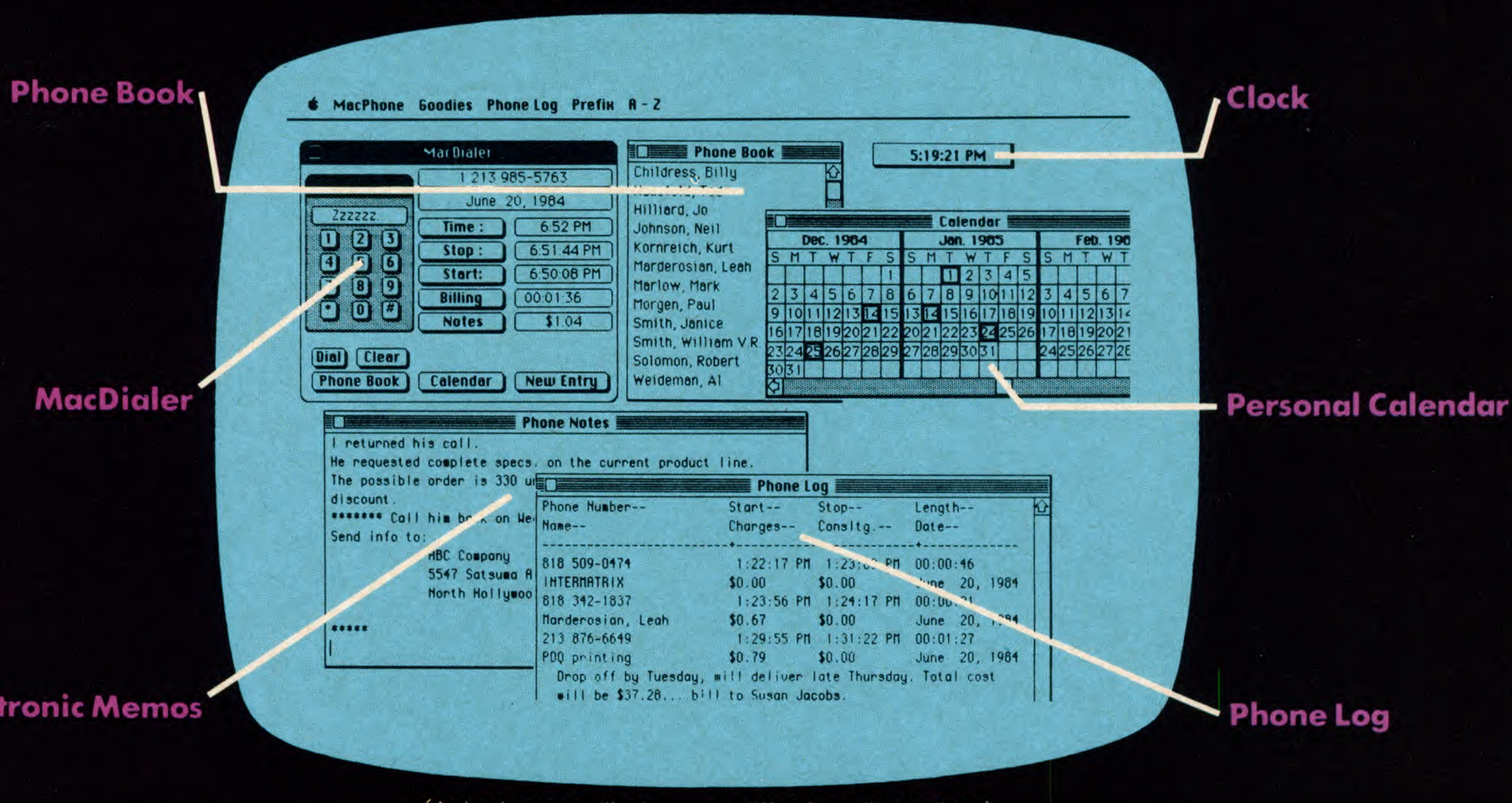
A super hardware/software package for the ultimate in desk-top efficiency that sells for just $199.95

MacPhone is a trademark of Intermatrix
*Macintosh is a trademark licensed to Apple Computer Inc.

MacPhone is an incredible combination of telephone utility and Macintosh power! It is a complete time and information management system—for business, home, campus—for anyone who uses a telephone!

Here's what your MacPhone does.

It offers a wide range of time management options with a simple click of the "mouse."



(Actual screen display may differ from illustrations)

TELEMANAGEMENT FACT AND FEATURES:

Telephone Directory stores up to 200 names and numbers.

Quick Dialer for up to 80 frequently called or emergency numbers. Touch-Tone compatibility for long distance services (MCI, Sprint, etc.) with storage capacity for 20 prefixes up to 22 digits each.

Audible Tone to signal passing of minutes and hours.

Automatic Log of phone calls—listing persons and numbers, date, duration and cost of call. Phone Log may be screen-viewed or printed.

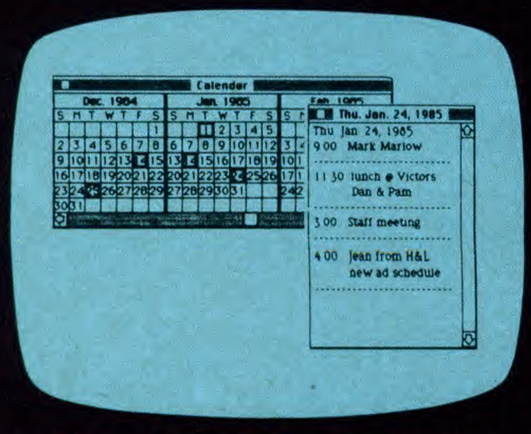
Area Code Look-Up to find state, region and time zone.

Built-In Calendar with 3 month display including Appointment Book and Note Pad. Gives quick-glance of appointments and events.

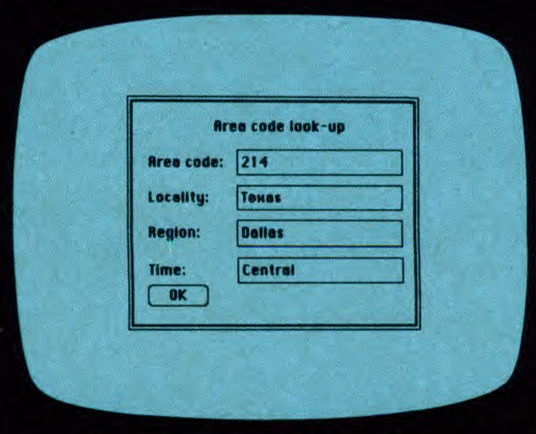
Electronic Memo Pad for short comments and notations made while on the telephone.

MacWrite Compatible Memos—for longer notes, reminders and ideas to be stored for reference.

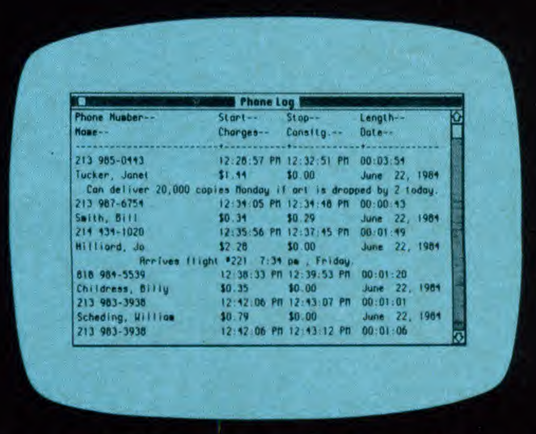
Time Billing Capability is ideal for consultants, attorneys, etc., entering customer hourly rates. This feature allows fees by-the-hour to be easily recorded on each phone consultation. Information is automatically saved on the phone log—includes name of party called, date, time of day, call duration, charges accrued and any comments pertaining to call.



Plan Your Time! The MacPhone personal calendar creates an automatic reminder and permanent history file for organizing and updating records.



Save Your Time! MacPhone's personal telephone directory, area code look-up and instant, automatic dialing capabilities are super time savers.



Record Your Time! MacPhone computes telephone charges, tracks telephone usage and records consultation fees.

All for the low price of $199.95

At the nearby computer retailer that sells Macintosh, or write direct for additional information.

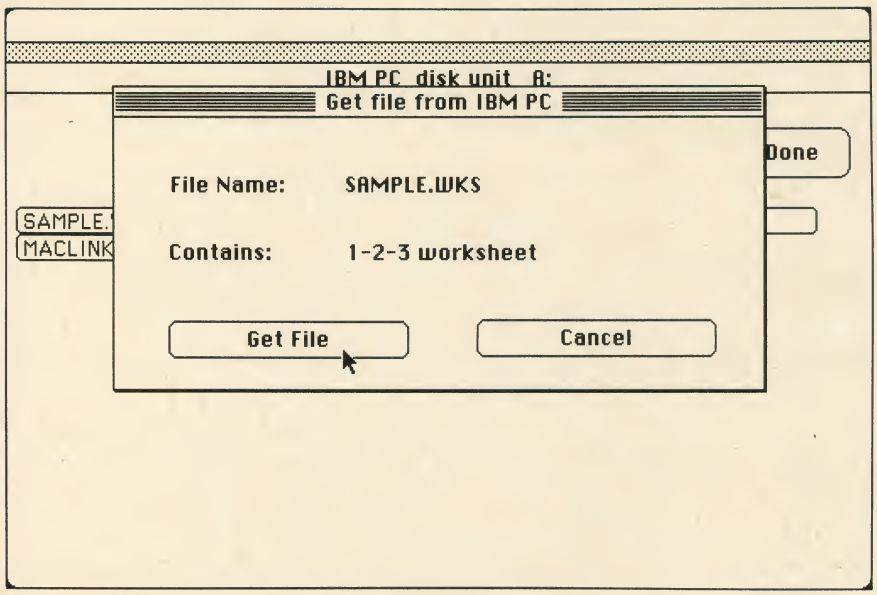
Circle 1 on Reader Service Card

***INTER**MATRIX*
5547 Satsuma Ave.
North Hollywood, CA 91601

MacLink

Communications

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacWrite; Microsoft Multiplan; Microsoft BASIC; and a modem or interface cable. Inclusions: Two software diskettes—one Macintosh and one IBM PC.



MacLink forms a data bridge between the Macintosh and an IBM PC or an IBM-compatible microcomputer. With it any business user can transfer spreadsheet, data, and text files from machine to machine in either direction. The dialogue box in this illustration tells a Macintosh user which file he or she selected with the computer's mouse and what that file contains on the IBM PC or compatible.

MacLink is a business-communications product, called a data bridge, that provides a link between applications running on the Apple Macintosh and comparable ones running on an IBM PC or an IBM-compatible microcomputer. It includes two matched software diskettes, one for the Macintosh and one for the IBM PC or compatible, that when running in each machine will transfer and translate data at a business user's request via modem or interface cable.

Once connected, MacLink can translate data from Lotus 1-2-3, VisiCalc, or Multiplan spreadsheets sent from an IBM PC or compatible for use on a Macintosh running Microsoft Multiplan. Word-processing files sent from packages like WordStar and Multimate can be recognized by MacLink and converted for use on any Macintosh running MacWrite. Formats, highlighting, and justification will be translated as well, providing a user with a fully functional document.

The MacLink intelligent data bridge works in either direction via modem or cable connection. In other words, it can also be used to move a spreadsheet, word-processing file, or any text file from the Macintosh back to an IBM PC or compatible.

Other communications features of the software permit the Macintosh to be used as an ASCII terminal for communicating with other micros, mainframes, and public data bases. In addition, MacLink's entire communications process can be controlled by the Macintosh business user through the machine's easy-to-use, point-and-click mouse techniques.

Available from your dealer or:
DataViz, Inc.
P.O. Box 1319
Norwalk, Conn. 06856
203-866-4944
Retail Prices:
$95 MacLink
$125 MacLink with eight-foot interface cable
Release Date: September, 1984



YOU SPENT $2,500 ON A MACINTOSH. FOR ANOTHER $10 YOU CAN REALLY GET YOUR MONEY'S WORTH ...WITH THE MACINTOSH BUYERS GUIDE!

Why many Macintosh owners never get a reasonable return on their computer investment

After picking a new Apple Macintosh, many business people never taste all the success their computer can help develop.

For one reason or another, they are simply unaware of how much their Macintosh can truly accomplish. They never realize the potential return of their investment.

The key to your new computer's true productivity

Your Macintosh does the work. Software does the thinking. Expanding the amount of work your Macintosh can do is merely a matter, then, of gaining access to a broader array of software.

But, there will soon be thousands of available software packages and peripherals available.

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You'll find the answers to all your questions in the MACINTOSH BUYERS GUIDE. Published twice a year, this hands-on reference work will compile, describe and review hundreds of new Macintosh software and peripheral products.

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Circle 7 on Reader Service Card

MacPaint

Drawing; graphics

System Requirements: 128K Macintosh; one disk drive; printer.

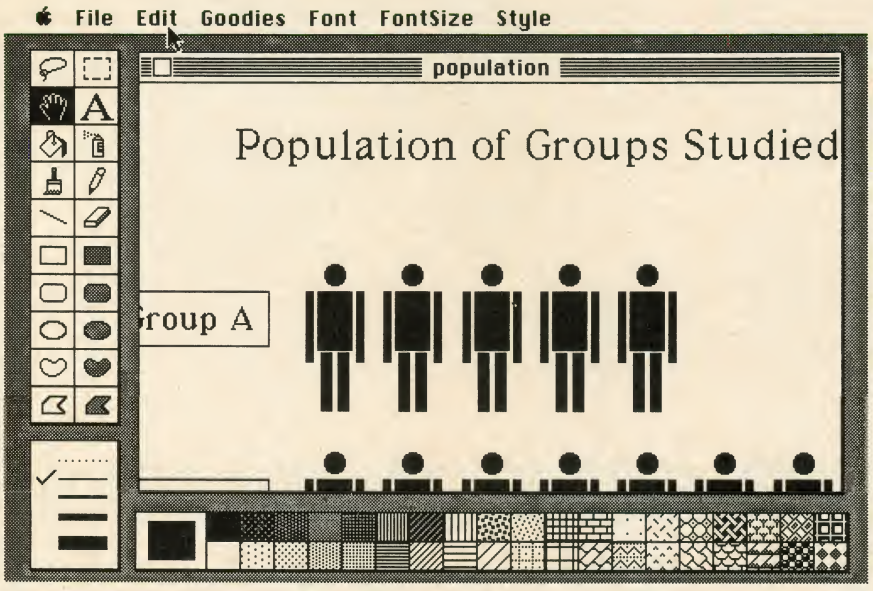
MacPaint is the equivalent of an artist's canvas in video. The artist—amateur or otherwise—can use a wide variety of tools in an almost limitless number of combinations to create drawings from the simple to the complex. The artist simply chooses his tools and his medium from the wide selection available and moves the mouse to draw on the screen.

The icon menu to the left of the screen is the artist's toolbox. For example, the hand is used to move the entire page around under the screen. This operation is necessary because the full size of a MacPaint document is eight by 10 inches, and only about a third of it is visible on the screen at any one time. The artist works on the screen area he can see and then moves the page to access other parts of it.

Another useful MacPaint feature is its ability to let the artist choose something on the screen, outline it, and then move it anywhere on the page independent of anything else. The user could, for example, draw a person's head in one part of the screen, a hat in another, and then put them together.

As far as painting and drawing tools, there's a paint brush that can be configured to represent many different sizes and shapes of brush. The pencil makes a thin line, just like a real pencil. There's an eraser to take care of mistakes. There are shape makers to help keep squares, circles, and rectangles symmetrical. Straight lines can easily be drawn.

A spray-paint can is available to the artist, too. It works just like a real one, increasing in intensity as the artist goes back over the same areas. There's a paint can that allows the artist to fill in blank spaces in his work with a variety of patterns that appear along the bottom of the screen. The artist can even paint with these patterns just by choosing one before beginning the drawing with the brush.



MacPaint can be used for creative drawings or, as shown here, for pictorial graphs and charts. All of the MacPaint tools are shown along the left side of the screen, and the patterns available for filling in spaces along the bottom.

Should the artist want to incorporate text or words into the work the large letter A turns the program into a typewriter, but a very special one. Letters can be created in any of eight different sizes, from nine to 72 points. There are also different fonts and styles from which to choose.

One feature that is essential for artists wishing to create a polished work of art, or for correcting very small errors and cleaning up ragged edges, is an option called "Fat Bits." Choosing this option expands the screen and magnifies the drawing to show every pixel. A small window in the corner of the screen gives the user a view of exactly where he's working in the drawing.

Each pixel can be erased individually and new pixels can be filled in, one at a time. That's true fine tuning, giving the artist a degree of control beyond what is usually available in physical media.

Probably the most important work-saving feature is the program's "undo" command. By choosing undo, the artist can erase everything he did up to the previous mouse click. This allows the artist to experiment as much as he wants on a partially completed drawing without endangering the previous work.

Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $195 (Includes MacWrite)
Available now

ClickArt and ClickArt:Publications

Pictures, illustrations

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacPaint; MacWrite; or any compatible program. Inclusions: A 32-page ClickArt Tips Manual *with ClickArt:Publications.*



ClickArt is a personal-graphics software application for the Apple Macintosh. It can be used with any MacPaint or MacWrite document, and any ClickArt illustration can be modified or surrounded with text to create invitations, announcements, posters, stationery, road maps, cartoons, newsletters, reports, brochures, etc.

ClickArt is software for Macintosh users who have the urge to draw, but lack the time, patience, or experience to produce good illustrations. The product offers over 100 professionally drawn images, ranging from useful symbols to full-page illustrations.

The images contained in ClickArt can be used in any MacPaint or MacWrite file, or any other compatible application. And any ClickArt illustration can be modified or surrounded with text to create invitations, announcements, charts, slides, or reports.

In addition to symbols that can be used in the charts and slides created with the program, such as arrows, stars, and borders, ClickArt also contains drawings that can be added to announcements and party invitations. Some examples of these drawings include wine glasses and bottles, city skylines, and cartoons.

The ClickArt disk also contains a number of full-screen drawings that take advantage of the graphic capabilities of the Macintosh. These images include popular makes of cars, Michelangelo's David, and famous personalities from Einstein to Boy George.

ClickArt:Publications is the first in a promised series of additional ClickArt portfolios, from the manufacturer of the original ClickArt program, aimed at particular market segments and containing specific images of use to business, academic, and design applications.

ClickArt:Publications contains graphic files that will assist Macintosh owners responsible for creating and designing newsletters, announcements, and special brochures and flyers. The disk for this program contains over 200 images, such as illustrated alphabet letters, column headings, illustrated phrases, people, cartoons, borders, and full-screen portraits.

ClickArt:Publications also contains two-column and three-column layout files that serve as a guideline for creating newsletters. Column headings and illustrated phrases can be designed to fit into either of these two formats. In addition, borders can be designed so that the corners and midsections can be copied and replicated to create a border of any dimension.

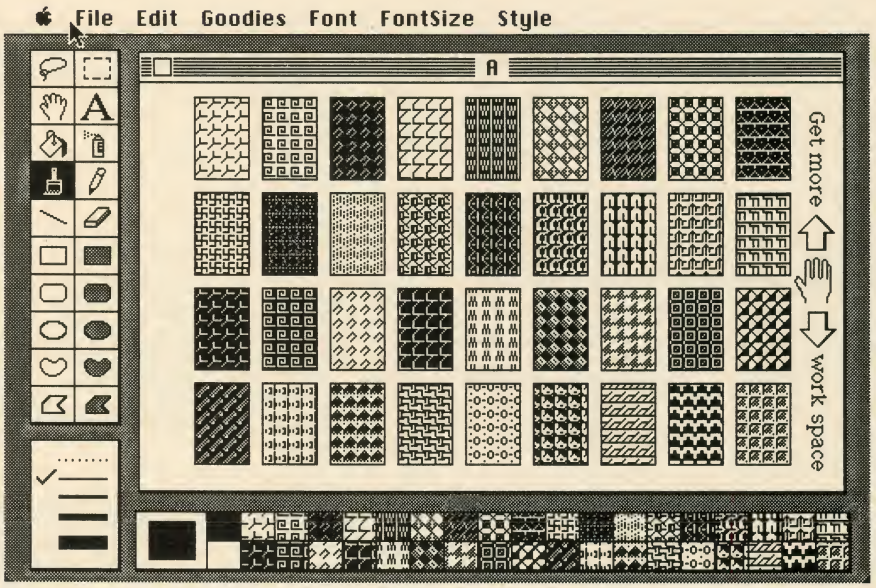
A 32-page *ClickArt Tips Manual* is included with ClickArt:Publications that offers additional suggestions and hints on how a user can make better use of ClickArt images and the MacPaint and MacWrite programs.

Available from your dealer or:
T/Maker Graphics
2115 Landings Drive
Mountain View, Calif. 94043
415-962-0195
Retail Prices:
$49.95 ClickArt
$49.95 ClickArt:Publications
Available now

500 Menu Patterns for MacPaint

Graphic enhancer

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacPaint.



500 Menu Patterns for MacPaint, as the name implies, gives a Macintosh user, who could be a graphic artist in an in-house graphic-arts department, access to 500 extra menu patterns in addition to the 38 that come standard with MacPaint. These additional patterns can be used to increase the complexity and/or subtlety of the textures already available to MacPaint users.

The patterns in this program can be used, together with the MacPaint program, as regular paint documents. Each pattern document has its own unique set of menu patterns and each pattern is illustrated larger than menu size on an easel page, making it easier to transfer a pattern to another document.

Each pattern in 500 Menu Patterns for MacPaint is also compatible with the full complement of MacPaint tools. This means they can be used with the paint brush, spray can, spill-paint can, and fill-shape tools. In addition, the creative possibilities that can be achieved with this program are expanded by a user's ability to paint and mix any of the available 500 patterns into the images he or she actually creates with the system.

And any of the patterns in this program can be combined into still more customized pattern menus. A user can create his or her own pattern menus by grouping frequently used patterns into custom-pattern documents using the program's built-in Copy and Paste command. Once pasted, these patterns can be installed into a custom document using the program's Edit Pattern command.

A special set of on-screen instructions is included with 500 Menu Patterns for MacPaint that help a user get more use out of the enclosed patterns. These instructions also make it easy for new users of MacPaint to organize and create their own custom menus. The program also contains on-line helpful hints that provide additional information about using MacPaint and managing pattern documents.

Available from your dealer or:
FingerTip Software
P.O. Box 4917
Long Beach, Calif. 90804-0917
213-498-8064
Retail Price: $29.95
Available now

500 Menu Patterns for MacPaint provides an in-house artist or graphic-arts department with more than 500 menu patterns in addition to the 38 included with MacPaint. These are used as is to increase the complexity and/or subtlety of MacPaint textures, or can be combined to create customized patterns.

The Art Portfolio and The Card Shoppe

Drawings, illustrations

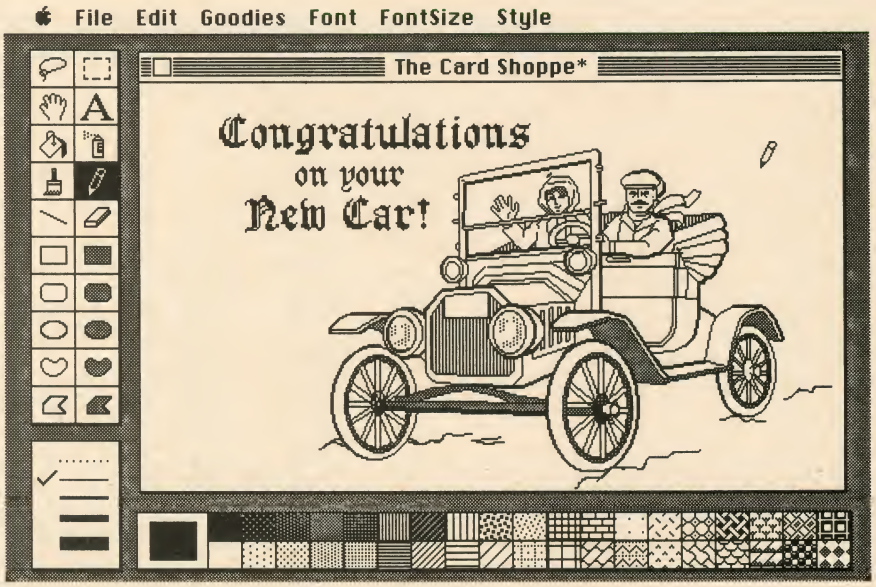
System Requirements: 128K Macintosh; one disk drive. Special Requirements: Printer. Inclusions: Illustrated manual with both programs; and a formatter, holiday calendar, and stationery and envelopes with The Card Shoppe.

The Art Portfolio contains more than 120 ready-to-use, professionally created drawings, arranged in 12 separate categories, that can be used on a Macintosh located in a business, home, or educational setting. Drawings contained in The Art Portfolio can be included in with MacPaint or MacWrite documents to personalize or illustrate letters, memos, invitations, newsletters, greeting cards, etc.

All 120 images are printed out and indexed in a 150-page manual which comes with the program. In addition, the manual also provides examples of other drawings that can be created on a Macintosh using this software, and it gives a user a review and a tutorial of MacPaint techniques.

Instructions are also given that show examples of how to turn The Art Portfolio's drawings into personalized greeting cards suitable for mailing, and the software allows the printing of an entire greeting card.

The Card Shoppe is a compendium of drawings created especially to produce greeting cards on a Macintosh. Personalized greeting cards suitable for mailing can be created with this software to fit the needs of businesses, schools, or the home user.

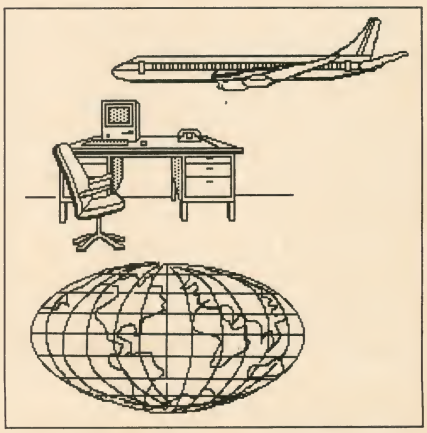


The Card Shoppe also comes with an illustrated manual that shows how to use a Macintosh's graphic capabilities to combine, multiply, expand, or reduce images. The program also has a Formatter, which is a transparent screen that fits over a Macintosh's monitor to let a user see if a card will properly fit its allowable space before printing.

The Card Shoppe even comes with a calendar of holidays that is suitable for framing and stationery with envelopes. Its drawings are somewhat larger than those found in The Art Portfolio, due to the greeting-card format, but all drawings have been designed to minimize distortion when modified.

Available from your dealer or:
Axlon Inc.
1287 Lawrence Station Road
Sunnyvale, Calif. 94089
408-747-1900
Retail Prices:
$59.95 The Art Portfolio
$59.95 The Card Shoppe
Release Dates:
Available now—The Art Portfolio
October, 1984—The Card Shoppe

The Card Shoppe program can be used by any Macintosh owner to created personalized greeting cards for any business or other occasion. The program also comes with its own stationery and envelopes.



Any one of the 120 ready-to-use drawings contained in The Art Portfolio for a Macintosh personal computer can be used by a business, school, or home user to illustrate letters, memos, invitations, news releases, etc.

Mac The Knife/Volume One: Sampler
Mac The Knife/Volume Two: Fonts

Pictures, illustrations; type styles

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Apple's Font Mover utility program for Volume Two.

Mac The Knife/Volume One: Sampler is a graphic software program for the Macintosh that contains over 500 useful, ready-to-use illustrations, borders, business graphics, icons, maps, and textures, all in compatible MacPaint files.

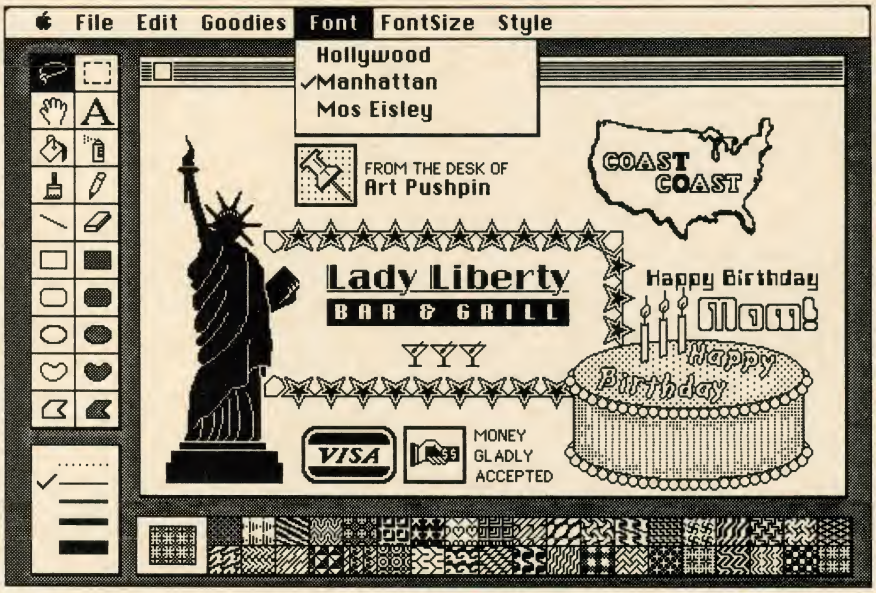
These graphics can be useful to editors and art directors for illustrating publications, to sales people and instructors for highlighting presentations, to account executives for advertising campaigns, to club officers and various organizations for making certificates of appreciation, and to major corporations and small manufacturers for illustrating product documentation.

Mac The Knife/Volume One: Sampler comes with dozens of borders and illustrations, over 100 internationally recognized icons and logos, 200 separate MacPaint textures, three different type faces and other casual illustrations.

Mac The Knife/Volume Two: Fonts is a collection of two dozen different fonts or type faces in one software program. It, too, is written especially for the Apple Macintosh.

The fonts contained in Mac The Knife/Volume Two work in conjunction with Apple's Font Mover utility program and any Macintosh application program equipped with a font pull-down menu. Some of these fonts contain built-in borders, while others come with a variety of useful symbols.

All of the 24 fonts in the program contain fractions, foreign characters, and symbols, and most of them come in different point sizes. Several fonts also come in a variety of styles, including correspondence and fancy script.



Available from your dealer or:
Miles Computing, Inc.
7136 Haskell Ave., Suite 212
Van Nuys, Calif. 91406
818-994-7901
Retail Prices:
$39 Mac the Knife/Volume One: Sampler
$49 Mac the Knife/Volume Two: Fonts
Available Now—Volume One
Release Date: Sept., 1984—Volume Two

Mac The Knife/Volume One: Sampler for the Macintosh contains over 500 ready-to-use illustrations, borders, business graphics, icons, maps, and textures in convenient MacPaint files. It can be used by any business or home user to illustrate correspondence, newsletters, special announcements, invitations, advertising and sales materials, etc.

The Slide Show Magician

Graphics; special effects

System Requirements: 128K Macintosh; one disk drive.

The Slide Show Magician lets a Macintosh user create computerized "slide shows" with movie-like special effects that can be used for business meetings, sales presentations, in-house or in-store window demonstrations, classroom projects, or home use.

Anything that can be displayed on the Macintosh's screen can be used with The Slide Show Magician, from Multiplan spreadsheets and MacWrite documents to other pictures, graphs, words, and charts. And a user can control every individual frame during a show by clicking the com-

Professional Composer

Music composition

System Requirements: 128K Macintosh; one disk drive.

Professional Composer is a software program for the Macintosh that lets musicians, copyists, arrangers, teachers, and students create performance-quality sheet music on their computer.
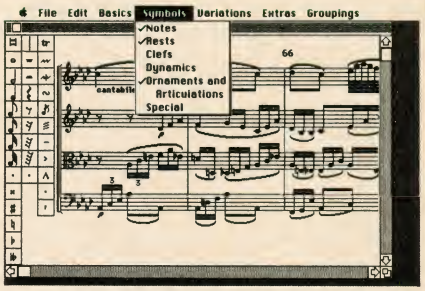
In addition, the user can enter music into the program with the computer's mouse, use its pull-down menus to edit entries, and listen to the music just written through the Macintosh's speaker or via a home stereo system.

Professional Composer is intuitive, meaning there are no awkward commands that must be learned or procedures that must be memorized. And the program can be used, in either a regular or fast-input mode, to create sheet music in a wide variety of musical forms.

When entering music into the program a user can merge and unmerge as many staves as needed using braces, brackets, and measure lines; enter and delete all types of musical symbols; add a wide range of dynamic and articulation markings; and group notes with beams, measure lines, slurs, ties, etc.

When editing music a user can move and copy passages within or between scores, transpose by key or by interval, extract parts, insert lyrics, and change rhythm and rebar. Other features of the Professional Composer program allow a user to validate instrument range, validate rhythm, designate measure numbers and rehearsal markings, and create piano reductions.

Available from your dealer or:
Mark of the Unicorn
222 Third Street
Cambridge, Mass. 02142
617-576-2760
Retail Price: $495
Release Date: September, 1984



Professional Composer lets a user take advantage of Macintosh features like pull-down menus to create score paper, enter and delete all types of musical symbols, and group notes and phrases with beams, measure lines, slurs, ties, and so on. More advanced program features let a user validate instrument ranges, designate measure numbers and rehearsal markings, and create piano reductions.

puter's mouse at the appropriate point, or let a show run continuously in an unattended mode.

The program comes with 16 separate effects, including fades and wipes, that can be used at any time. In addition, a user can place the specific program control functions that he or she wants to include right on the Macintosh's screen. These functions, which can then be accessed via the mouse, include start, next frame, back up, jump (to a specific frame), pause/resume, and quit. The program also lets a user superimpose blocks of text over key pictures for varying lengths of time.

In addition, users of The Slide Show Magician can edit a show by moving a frame to another location, eliminating a frame completely, adding or deleting special effects, adjusting the time between automatic slide changes, and using the included customized screen borders. Users can also create additional screen borders themselves.

Available from your dealer or:
Magnum Software
21115 Devonshire Street, Suite 337
Chatsworth, Calif. 91311
213-700-0510
Retail Price: $59.95
Release Date: October, 1984



The Slide Show Magician lets a user create an automatic slide show made up of a series of "slides" of any image that can be displayed on the Macintosh's screen.

MacVision

Graphics

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Video camera or other video source. Inclusions: Digitizing hardware and software.

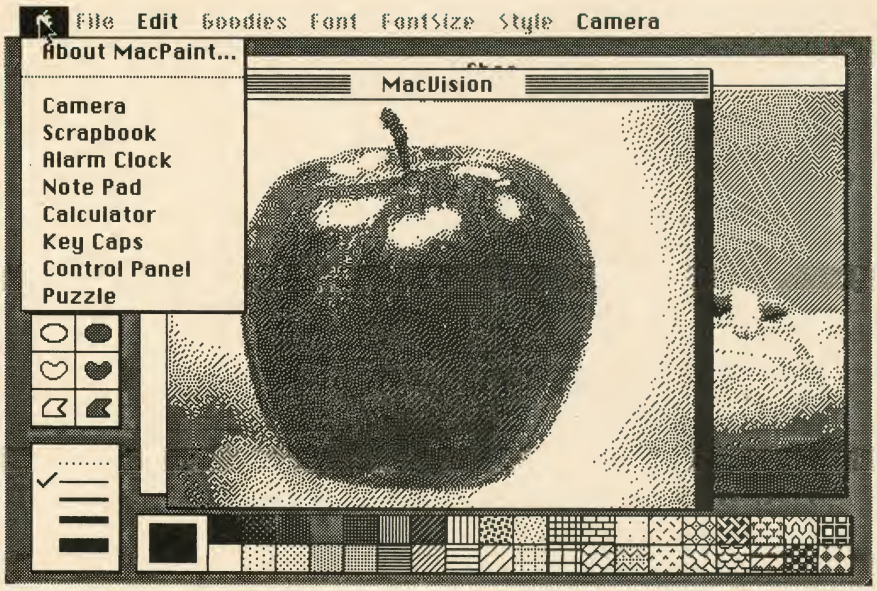
MacVision lets a user enter a digitized, photographic image of any picture desired into a Macintosh personal computer.

After an image has been entered it can be modified and manipulated by using the Macintosh's mouse and MacPaint commands, which the user may already be familiar with. Images may also be inserted into Macintosh application programs such as MacWrite.

In short, MacVision enhances a Macintosh's built-in graphic capabilities by allowing a user to enter realistic images of pictures or objects; manipulate and edit pictures using MacPaint; include pictures with business reports and personal letters; design reviews, memos, and school projects; store images on disk for later reference or incorporate them into other documents; create computer art; and print out images for a hard-copy record.

MacVision consists of digitizing hardware and software. It lets a user's camera or video source act as a desktop accessory, and it takes advantage of the strengths found in other Macintosh software products.

In addition, it uses a standard video signal that allows a user to enter images from either a low-cost, black-and-white video camera, like the RCA TC1501, or any color video camera. Any video-cassette recorder with a pause or still-frame feature or laser-disk player may also be used.



Once entered and shown on a Macintosh's screen, MacVision lets users manipulate and edit images; insert images into other Macintosh application programs; incorporate images into business reports, school projects, or other documents; store images on disk; print images out in hard-copy form; or create their own computer art.

Available from your dealer or:
Koala Technologies Corp.
3100 Patrick Henry Drive
Santa Clara, Calif. 95050
800-562-2327 or 408-986-8866
Retail Price: $349.95
Release Date: October, 1984

Animation Toolkit 1

Movie-making; education

System Requirements: 128K Macintosh; one disk drive.

Animation Toolkit 1 is a program that enables the user to make movies with the Macintosh computer. It was designed for anyone who wants to create, edit, and animate films.

The first step is to create a still picture, using MacPaint, and store it in a frame. Then the program's powerful animation tools are used to bring that picture to life: pencil, eraser, scroll, rotate, invert, distort, mask, matte, scale, flyby, etc.

These individual frames are automatically combined into film clips. Each animated sequence can then be edited.

For example, the editing can begin by playing back the opening clip in slow motion. Frames can be cut or new frames, and even new clips, can be spliced into the opening clip.

IMAGES

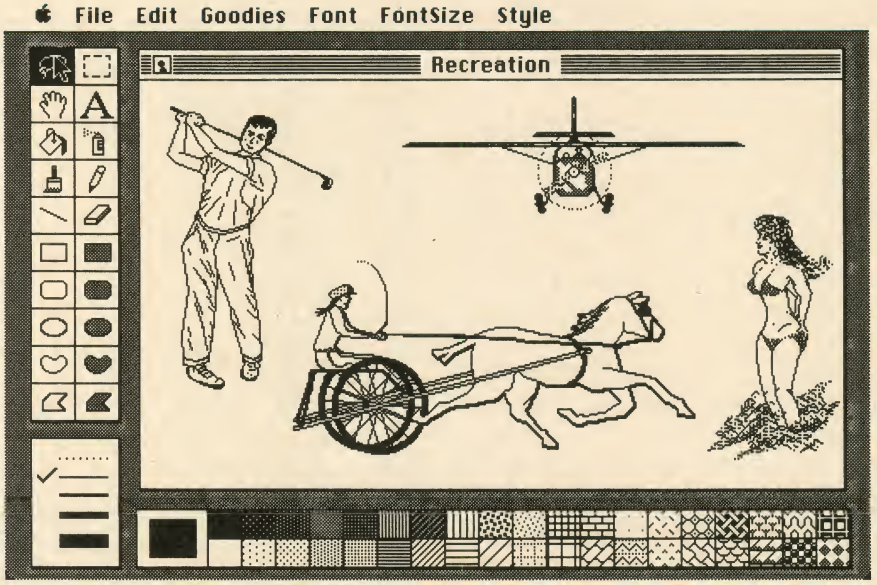
Drawings, illustrations

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacPaint and/or MacWrite. Inclusions: Built-in page and screen ruler; 360-degree compass.

IMAGES is a collection of more than 200 clip-art designs and drawings that can be used to illustrate text and graphic materials. When combined with the graphic capabilities and the typesetting qualities found in an Apple Macintosh computer, it can be used to create effective ads, business letters, and memos.

The program features an easily accessible, fully documented index, and all its designs and drawings can be placed into MacPaint and MacWrite applications. Ease of use is a particularly good feature of this program, since it functions by merely clicking the Macintosh's mouse.

In addition, the program comes with a built-in page and screen ruler and a 360-degree compass that can be used to enhance speed and to create more exact and precise work.

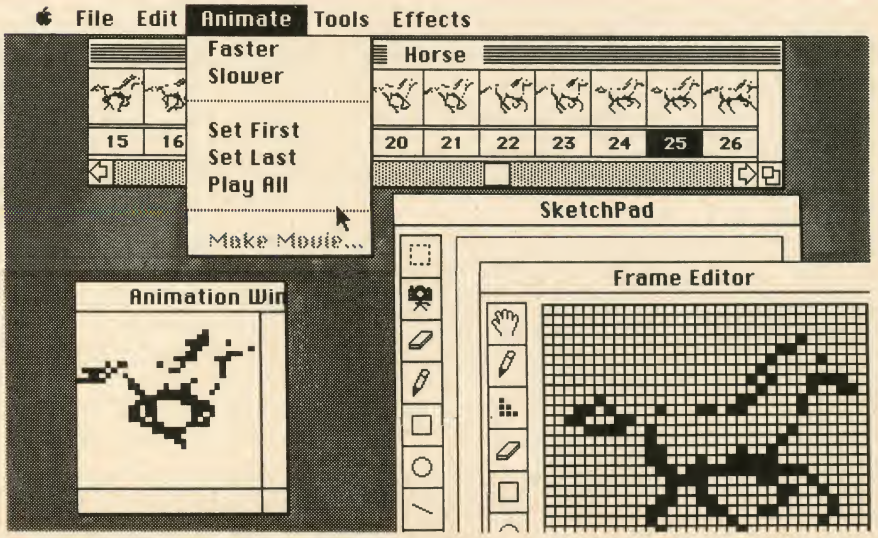


Available from your dealer or:
Matrix Advocates Company
P.O. Box 1238
Bricktown, N.J. 08723
201-899-4739
Retail Price: $45
Available now

The IMAGES software program contains more than 200 clip-art designs and drawings that can be used to create professionally produced ads, business letters, and memos.

Available from your dealer or:
Ann Arbor Softworks, Inc.
308½ South State Street
Ann Arbor, Mich. 48104
313-996-3838
Retail Price: $49
Release Date: August, 1984

Powerful editing tools are provided in four windows: Frame Display Window, Frame Editor Window, Sketchpad Window, and the Animation Window, which constantly shows a running animation of the current film clip.



McPic! and McPic! Volume 2

Drawings; illustrations

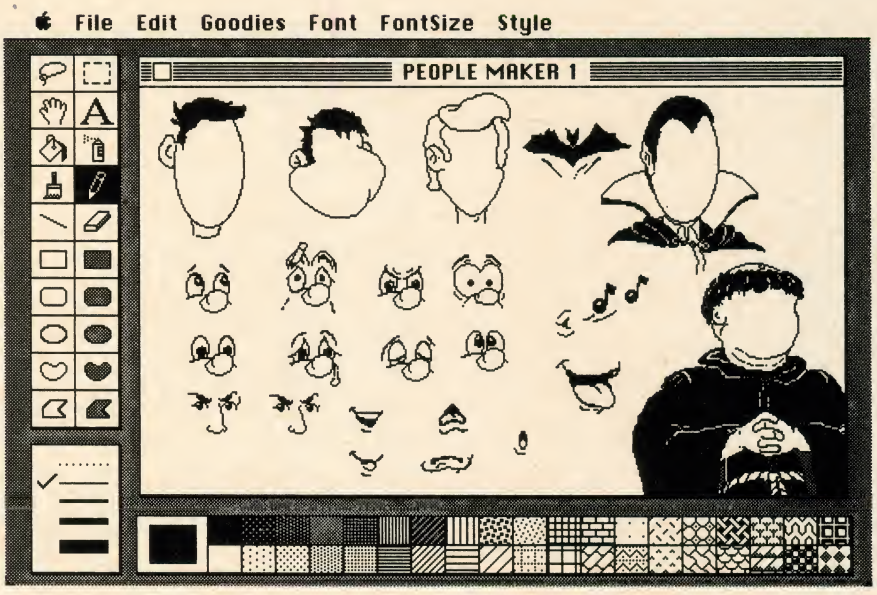
System Requirements: 128K Macintosh; one disk drive. Inclusions: 28-page Hint Manual with each program.

McPic! and McPic! Volume 2 enable businesses, schools, and general users of the Macintosh personal computer to create professional-looking artistic presentations and letterheads; illustrate flyers, ads, news releases, collection letters, reports, etc.; or create personalized stationery, greeting cards, invitations, even coloring books. The possible applications are limited only by a user's imagination, and no artistic skill is required.

The original version of McPic! contains more than 130 different ready-to-use, professionally created drawings in several different categories. These categories are animals, astrology, business, fun, holiday, home, nature, people, sports, symbols, and transportation. McPic! Volume 2 contains more than 150 new, unduplicated pictures that can also be used as is or modified to suit individual tastes and needs.

In addition to new drawings in many of the same categories, Volume 2 also contains drawings in categories such as science, exotica, special effects, flags, maps, and a people maker. And, as with the original McPic!, MacPaint, MacWrite, or McPicture can be used to change, clone, combine, customize, add words, enlarge, shrink, or change the tone or pattern of any drawing in the program.

A 28-page Hint Manual is included with both McPic! and McPic! Volume 2. By following the step-by-step graphics and the accompanying directions in each manual a user can personalize any drawing to suit a particular situation. Both Hint Manuals also have a special IDEA section for creating variations of the artwork contained in each program.



Available from your dealer or:
Magnum Software
21115 Devonshire Street, Suite 337
Chatsworth, Calif. 91311
818-700-0510
Retail Prices:
$49.95 McPic!
$49.95 McPic! Volume 2
Available now

McPic! Volume 2 includes a people maker that can be used to create male and female heads, eyes, mouths, hats, and many accessories that allow a user to design his or her own people for any situation imaginable.

Smoothtalker

Text-to-speech synthesis

System Requirements: 128K Macintosh; one disk drive.

Smoothtalker is a text-to-speech software product that gives the Macintosh speech capabilities. Without any extra hardware, Smoothtalker accepts plain-English text from either the keyboard or floppy disks. It then automatically synthesizes the text into a clear-sounding adult voice—either male or female at the user's choice—that comes from the computer's built-in speaker.

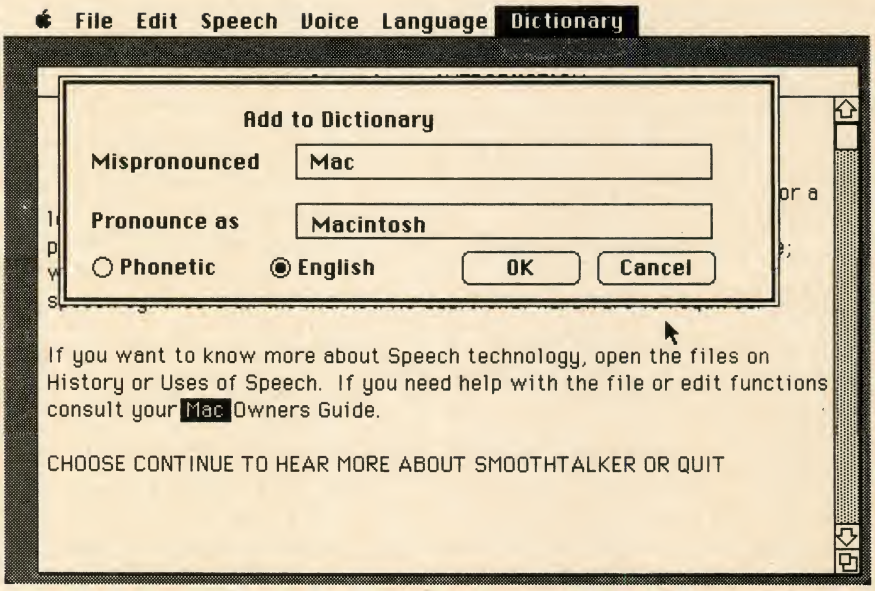
The product uses an enhanced set of algorithms to provide high-quality speech that once was possible only on mainframe computers. As a result, Smoothtalker understands phrasings and intonation without the need for a speech-synthesis chip. Common English conventions, such as "$" or "@," are recited automatically by the software, avoiding the need to input "dollars" or "at." It also understands punctuation and salutations, including "Dr." and "Ms."

A dictionary function enables users to define how they want Smoothtalker to react to words. For example, "USA" can be

defined to mean "United States of America." When the "USA" acronym is encountered, Smoothtalker will say it exactly as the user defined it.

The user can also adjust the volume, speed, pitch, bass, and treble of the voice.

Available from your dealer or:
First Byte, Inc.
2845 Temple Ave.
Long Beach, Calif. 90806
213-595-7006
Retail Price: $149.95
Release Date: September 1984



Smoothtalker's user-defined dictionary teaches the Macintosh to pronounce acronyms the way the user describes them.

RUNE Software

The $37,000 Question

Up to now, professional computer-aided circuit design has only been available to those with the purchase price of a mini computer — for a total, with software, of at least $40,000. Today the Electronic PAD from Rune Software, coupled with a Macintosh and an Imagewriter printer, will assist in the design, simulation, and debugging of your circuit with dependable, professional results — for a total of about $3000. That's a savings of $37,000.

The Electronic PAD from Rune. Call your Apple Dealer now and ask nicely. He may save you one.



Circle 8 on Reader Service Card

RUNE SOFTWARE

P.O. Box 971, Pacifica, CA 94044 (415) 355-4848

Macintosh and Imagewriter are trademarks of Apple Computer, Inc.

HIPPO-C™

—a C compiler for the Macintosh™

Level 1 offers:

- **A friendly, powerful C environment which allows you to easily and quickly edit, compile, link, and execute C programs on a standard 128K single-drive Macintosh. All software is included—nothing else to buy.**
- **An editor, compiler, linker, C run-time library, on-line tutorial/manual, and a shell command processor (which allows redirection of input and output, etc . . .).**
- **A UNIX version 7 compatible C Compiler. The compiler follows the Kernighan and Ritchie C definition. Floating point is not supported in Hippo-C level 1. Allows approximately 64K for user programs and data.**
- **A symbolic debugger which allows you to single step through a C program or set breakpoints. At each step, you can display C variables or memory locations.**
- **Convenient access to 383 Macintosh Toolbox and Quickdraw routines.**
- **Sample programs which show you how to create windows and menus.**
- **Documentation on Hippo-C and selected Toolbox and Quickdraw routines.**
- **$149.95.**

HIPPOPOTAMUS™ SOFTWARE

1250 Oakmead Parkway Suite 210
Sunnyvale, CA 94086

Circle 9 on Reader Service Card

(408) 730-2601

Dealer inquiries welcome. We accept VISA, Mastercard, cashier's checks, money orders, or personal checks (personal checks take 2 weeks to clear). California residents add local sales tax. Please include $10 for shipping and handling. Macintosh is a trademark of Apple Computer, Inc. Hippo-C is a trademark of Hippopotamus Software. Please allow 4-6 weeks for delivery. Price, availability, and specifications subject to change without notice.

Four new ways to

A year ago, MacMania didn't exist because there was no Macintosh.™ That's all changed now.

Out of respect for your unbridled love of the Macintosh (and ours, too), we've created even more insanely wonderful ways to enhance its remarkable performance. With four easy-to-use, useful and totally captivating products. All designed to the Macintosh's high standards for quality and reliability.

Mac·Daisywheel·Connection™

Now, with the Mac·Daisywheel·Connection, your Macintosh can print with any popular daisywheel letter-quality printer. Like the Apple Daisywheel Printer, the Brother (HR Series), the C-Itoh (Starwriter), the Daisywriter, the Diablo, the NEC Spinwriter, and the Qume (Letterpro and Sprint 11 Series)—just to name a few.

The Mac·Daisywheel·Connection gives you complete flexibility. You can keep your daisywheel and dot matrix printers connected to your Macintosh at all times. Just point and click to the printer you want to use.

The Mac·Daisywheel·Connection is ideal for business correspondence, reports, legal documents and even spreadsheets. It lets you print a full 15″ paper width. It comes complete with a program disk, a quick start-up guide and an interface cable. List price $99.

Mac·Spell·Right™

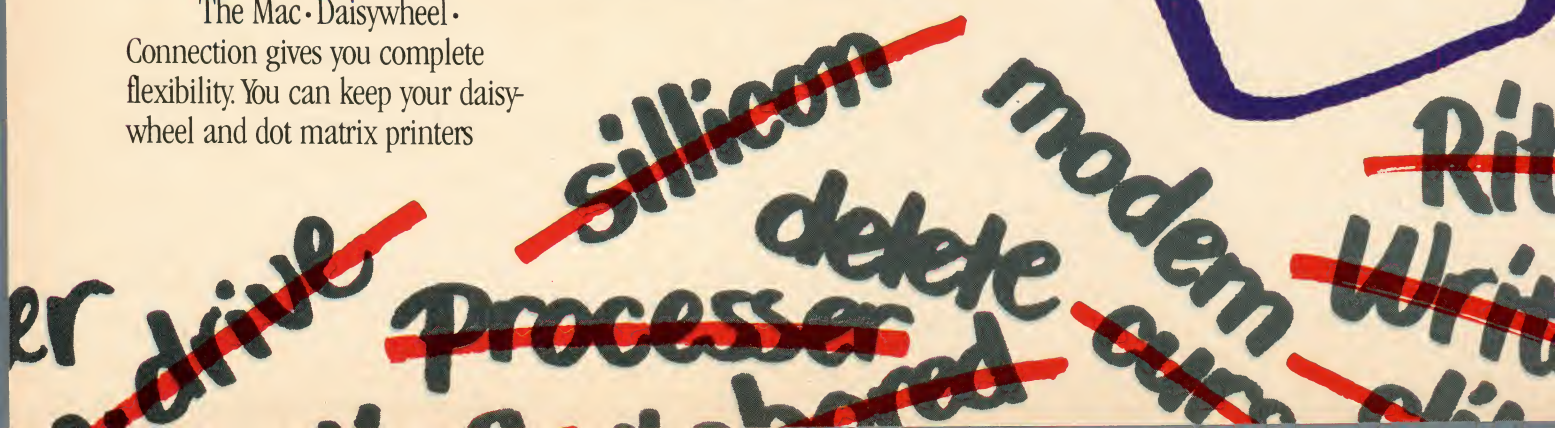
With Mac·Spell·Right, you can easily eliminate all the woes associated with checking and correcting spelling. This powerful new application program automatically does the work for you. Get the power of Webster's Dictionary and Roget's Thesaurus with the click of a button. Because Mac·Spell·Right works directly within MacWrite™ and runs transparently while you work, you never have to switch back and forth between disks and programs.

Think of how your productivity will improve. It won't take nearly as long to check and edit documents once you add "Spell✓" to the MacWrite menu bar.

And you may even find yourself with a little extra time on your hands to expand your vocabulary. Mac·Spell·Right gives you alternate word choices, too. List price $89.

Mac·Epson·Connection™

Thanks to the Mac·Epson·Connection, you can now use Epson dot matrix printers with your Macintosh.* Our new driver for high quality dot matrix printers will drive you wild,



catch MacMania.™

especially when you see how graphic your graphics look and how professional your texts look. Nothing could be simpler or faster (at 160 characters per second). And it takes only 30 seconds to transfer the software to your 3½" diskettes or hard disks.

The Mac • Epson • Connection is totally versatile, too. Anything you can print on the Imagewriter™ you can print on an Epson. The Mac • Epson • Connection is compatible with any software that runs between the Macintosh and the Imagewriter.

The Mac • Epson • Connection comes with a program disk, a quick start-up guide and an interface cable. List price $89.

*The Mac • Epson • Connection supports a wide range of printer models from Epson, including the FX 80 and 100 and the RX 80 and 100.

Mac • Turbo • Touch™

The Mac • Turbo • Touch is a new high-speed direct input device (or, if you will, a turbocharged "mouse") for your Macintosh. This is not meant to imply that the legendary love affair between mouse and man is over. Rather, for those of you who are ready for something that can respond as quickly as you do, there is now an exciting option. An option that reduces the time it takes to edit a document by 40%. An option that covers the same ground the mouse covers in one-third the time and in one-fourth the desk space.

What's more, the Mac • Turbo • Touch is always right where you need it whether you're right- or left-handed because you can park it on either side of the keyboard. Where does it plug in? In the mouse port, of course.

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Circle 10 on Reader Service Card



Mac Turbo Touch

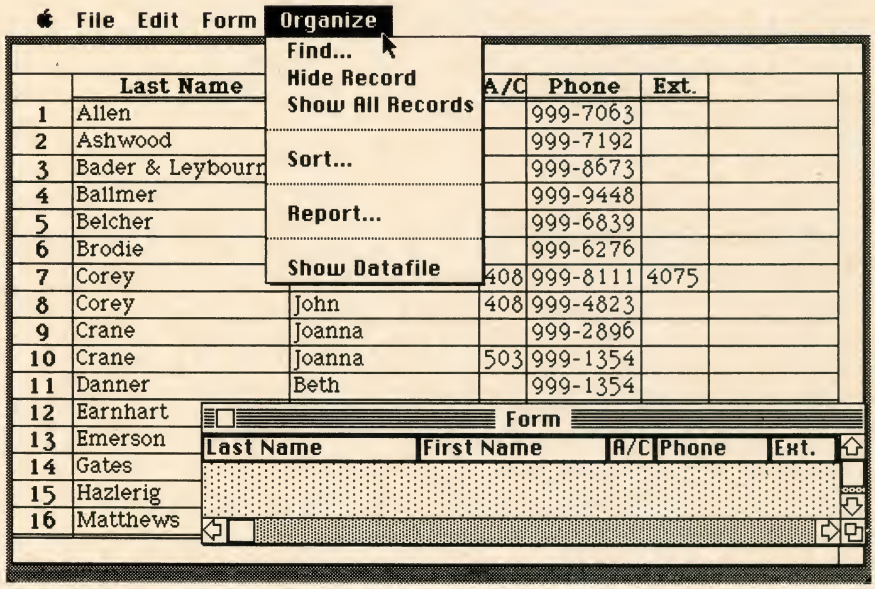
Assimilation Process™

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Microsoft FILE

File management, data base

System Requirements: 128K Macintosh; one disk drive.



Microsoft FILE is an electronic file-management system that lets the user design his or her own way of gathering, recording, and selecting information. But FILE is more than a record keeper. It has the ability to gather specific, requested information and organize it into statements about the business, the market, or personal data.

FILE is set up so entering information is like filling out boxes on a printed form. However, unlike a form, if the information requires more space the user simply makes the box larger by dragging it out with the Macintosh mouse. In fact, all the Macintosh features come into play to ease the chore of organizing and finding information.

Pull-down menus make it easy to find, reorganize, and set up forms. The ability of the mouse to drag boxes around the screen makes it easy to change forms. Once a form is designed, saving it for future use requires only one mouse click. The Macintosh Clipboard is also functional, so information from FILE can easily be pasted into Microsoft WORD, Multiplan, CHART, or other applications.

FILE is fast at sorting and retrieving information, too. The user can select one criteria or a combination in order to call up any files or any information from a group of files. For example, it will not only print a list of all people on a mailing list with a specific zip code, but it will also answer questions about how many clients took more than 30 days to pay, or how much of a certain product there is in inventory.

Available from your dealer or:
Microsoft Corporation
10700 Northup Way
Bellevue, Wash. 98004
800-426-9400
Retail Price: $195
Release Date: November, 1984

Microsoft FILE allows the user to enter, organize, reorganize, and retrieve information in any way he or she may desire. Full use of Macintosh features make the program friendly to use, easy to learn, and fast in execution.

MacLion

Data-base management

System Requirements: 128K Macintosh; one disk drive; second drive recommended.

MacLion is a relational data-base manager with features easy enough for home applications yet sufficiently powerful and flexible to meet most business needs. All commands are English based. Therefore, commands such as List or Total are used for simple access to data. For more complex applications new commands may be built from a Query prompt to be more powerful.

Among the product's many features are indexes that are automatically updated as data is updated, a variety of sorts, help messages that are accessible at any point via the Macintosh's pull-down menus, and a custom screen generator. For those who are more programmer oriented a complete English-like development language is also included. Called ACE, this feature provides the tools needed for building custom applications.

Business users will appreciate MacLion's custom report generator. Reports may be produced with data from multiple files and customized with up to three levels of subtotal breaks. Moreover, reports can

Brock Keystroke Data Base and Report Generator

File management; report making

System Requirements: 128K Macintosh; one disk drive.

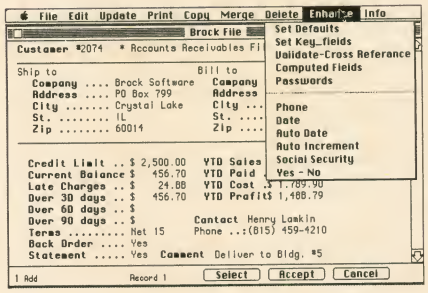
Brock Keystroke Data Base and Report Generator is a flexible file-management system that acts as an electronic filing cabinet. Designed for both beginners and experts, the product uses English prompts, pull-down menus, and dialogue boxes to help users through a communication process to access and update data.

Several features stand out. A cross-reference capability enables users working with one file to "look up" information in another. Selected data from the cross-referenced file can then appear in the appropriate spot on a new record without reentering data via the keyboard.

A find/update function allows easy access to any file. Data may be retrieved by any field, combination of fields, or record. What's more, computed fields permit calculated data to appear automatically on each record.

The Report Generator in Brock Keystroke translates input into well-organized hard copy. It can transfer information into column formats, sort, and generate calculations and statistics. Information can be organized into rows and columns that can be sorted in up to four different ways, and mailing labels are easily produced.

Available from your dealer or:
Brock Software Products, Inc.
8603 Pyott Road, Box 799
Crystal Lake, Ill. 60014
815-459-4210
Retail Price: $395
Release Date: September, 1984

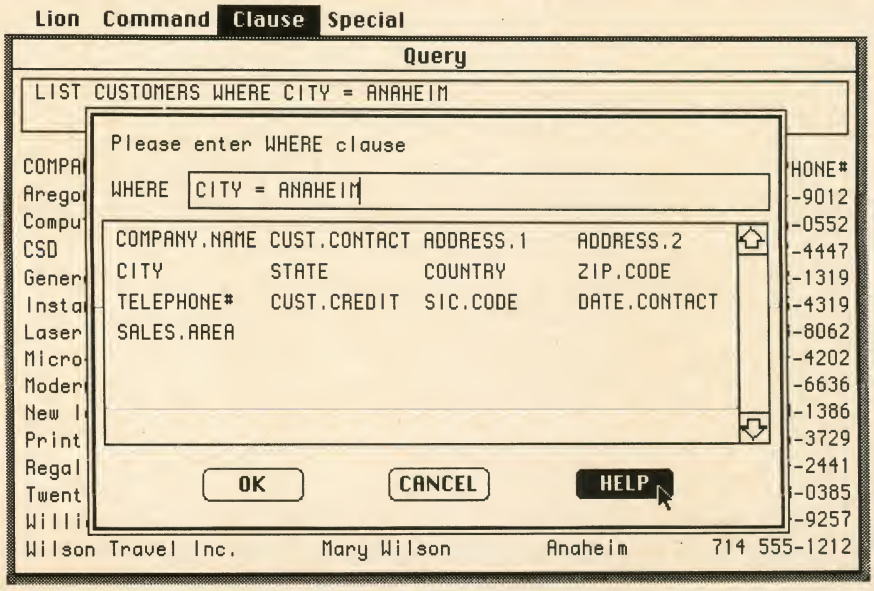


Brock Keystroke is flexible. Besides offering such standards as alpha and numeric fields the software also accommodates passwords.

perform columm or row arithmetic. Once generated, reports may be customized.

The maximum number of indexes and size of the data base is limited only by disk space.

Available from your dealer or:
Computer Software Design Inc.
1911 Wright Circle
Anaheim, Calif. 92806
714-634-9012
Retail Price: $379
Release Date: September 1984



MacLion uses simple English commands in its Query screen. The Where clause is used here to find customers who live in Anaheim.

Filevision

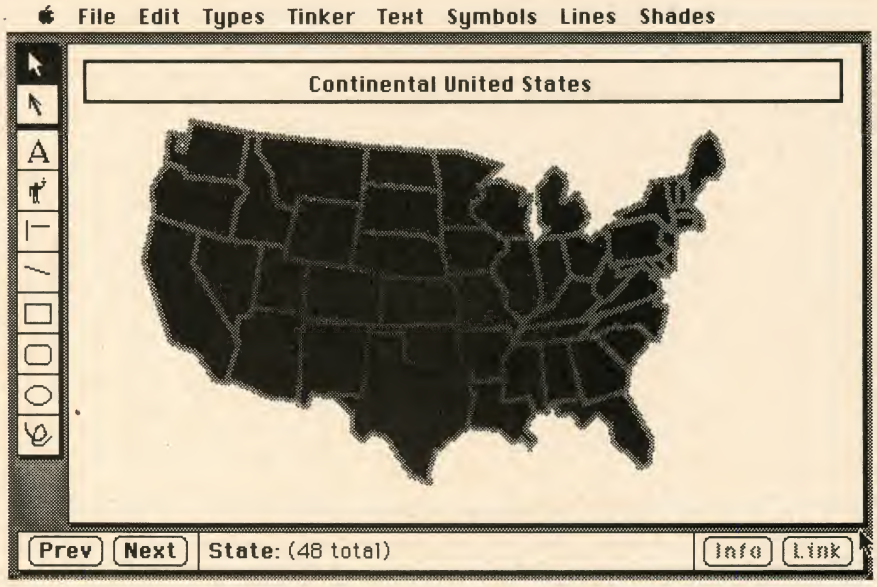
Filing system for drawings, numbers, and text

System Requirements: 128K Macintosh; one disk drive; Imagewriter.

Filevision is a filing system that enables the user to draw a picture and attach files of data to it for reference. It was designed to meet the need for a filing system that combines pictures, numbers and words. Changes can be made with a click of the mouse.

Filevision can display information about an object in a picture on the Macintosh's video screen just by pointing the mouse at it. Groups of objects from a drawing that have common characteristics can be selected for closer study.

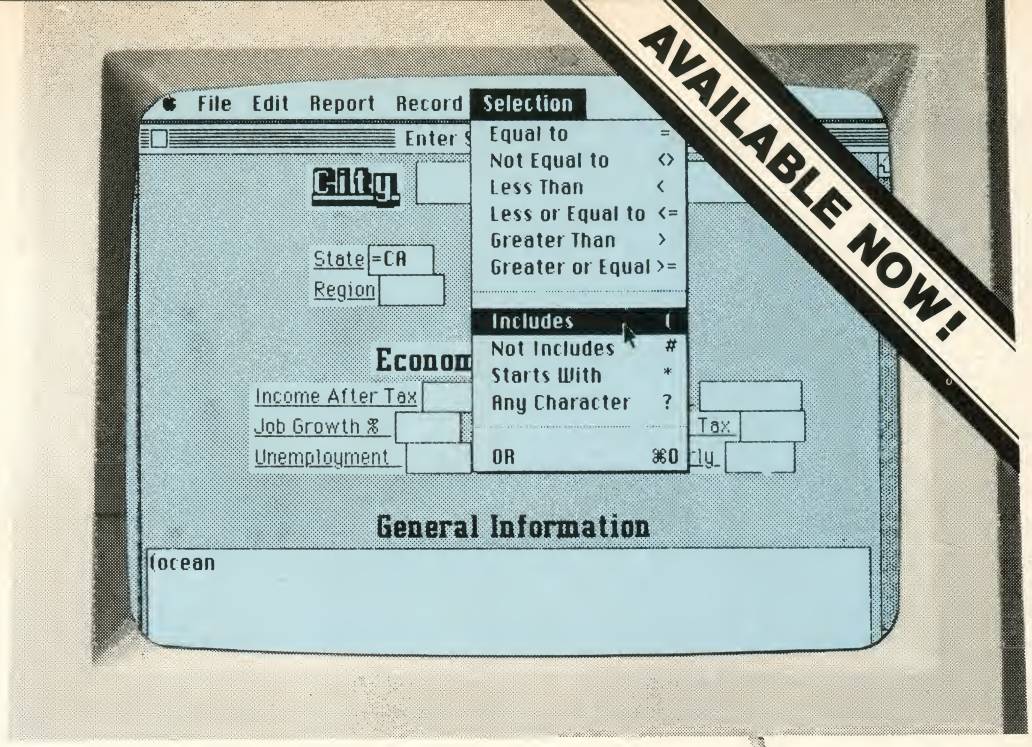
For example, a sales manager could draw a map of the United States and store—within each state—individual sales records and locations of the salesmen in the department. Without any additional programming, this manager could then identify the top producers by state or region. These inquiries could get even more specific depending on the manager's needs and the availability of information—all without additional programming.



Filevision can map out sales territories, sift out subdivisions for direct mailings, or search out the states that participated in the French and Indian Wars.

Selected information can be produced in reports, or drawings can be printed with certain items highlighted. Filevision can even print labels for mass mailing. The Filevision package eliminates the need to purchase separate filing and illustration packages and can be a cost-efficient choice for certain applications.

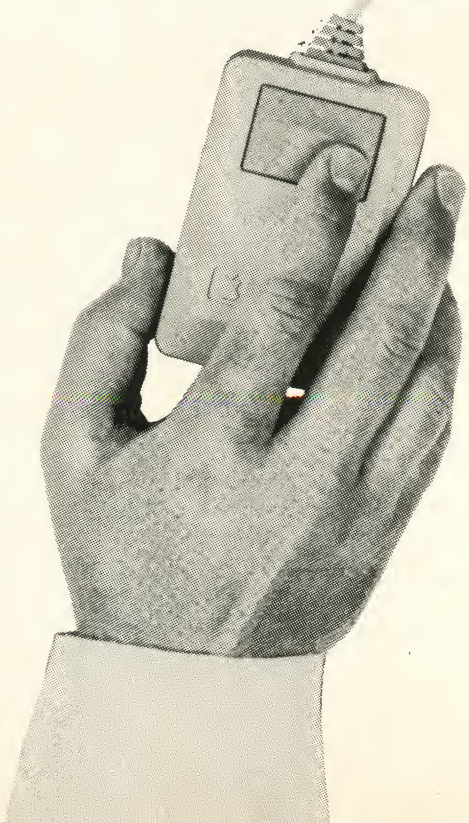
Available from your dealer or:
Telos Software Products
3420 Ocean Park Blvd.
Santa Monica, Calif. 90405
213-450-2424
Retail Price: $195
Release Date: August, 1984



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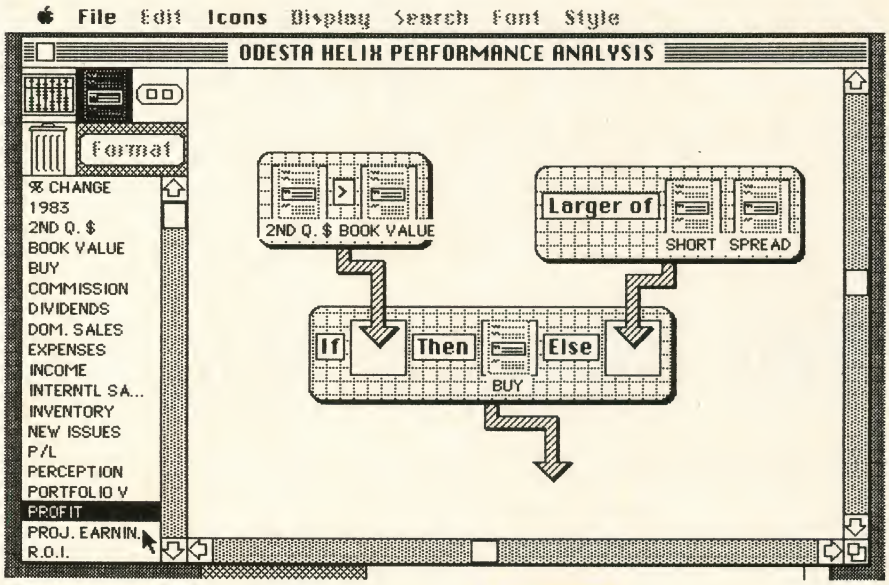
Odesta Helix

Information management; data base

System Requirements: 128K Macintosh; one disk drive.

Odesta Helix is an interactive information-management system designed to take special advantage of the Macintosh windows, icons, pull-down menus, and mouse. The program allows flexible, give-and-take interaction for activities such as free-form, data-base management, text processing, statistical analysis, and a wide range of form-based input, query, and reporting.

The program does not require that the user learn a programming language or set field parameters before beginning to use the software. Free-form entry is possible, or the user can choose from many common forms that are already built into the system. There's even a "form palette" with boxes and lines that can be called out, expanded, shaped, contracted, and entered into a form. Drawings from MacPaint can also be incorporated.

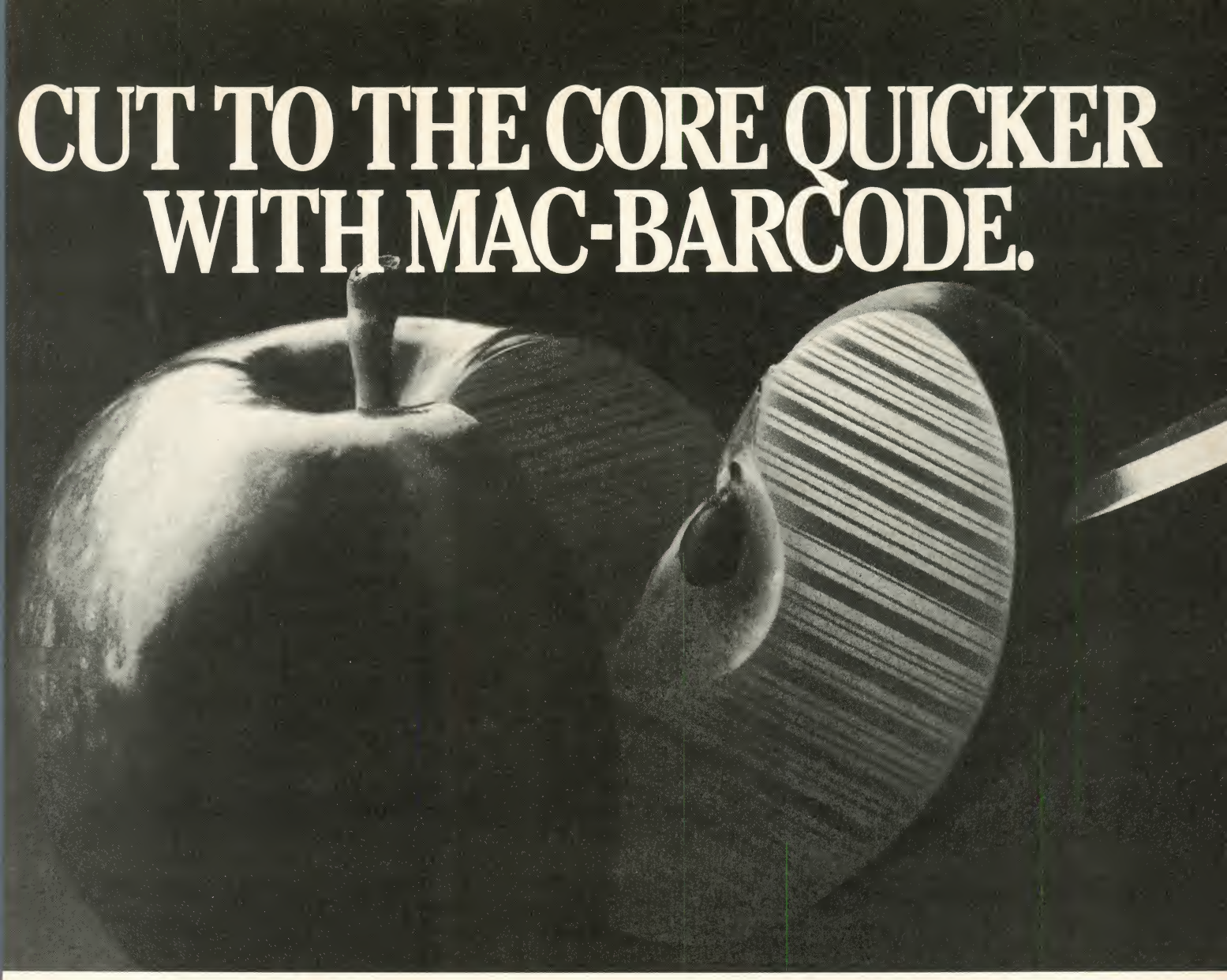


Odesta Helix uses visual building blocks that let the user set up the most complicated statement or calculation and flow the information from one block to another just by pointing. Each diagram shrinks to become an icon and is available for viewing at any time.

The program automatically creates icons to represent pieces of the user's information. The icons can be moved, hidden, or rearranged among forms. There are many other graphic features that make this powerful data-management program a unique Macintosh product, and the mouse is used extensively to make information management a less tedious chore.

Available from your dealer or:
Odesta
3186 Doolittle Drive
Northbrook, Ill. 60062
Retail Price: $395
Release Date: November, 1984

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5 Shawmut Road, Canton, MA 02021
Tel. (617) 821-0830 · TWX 710-348-0828

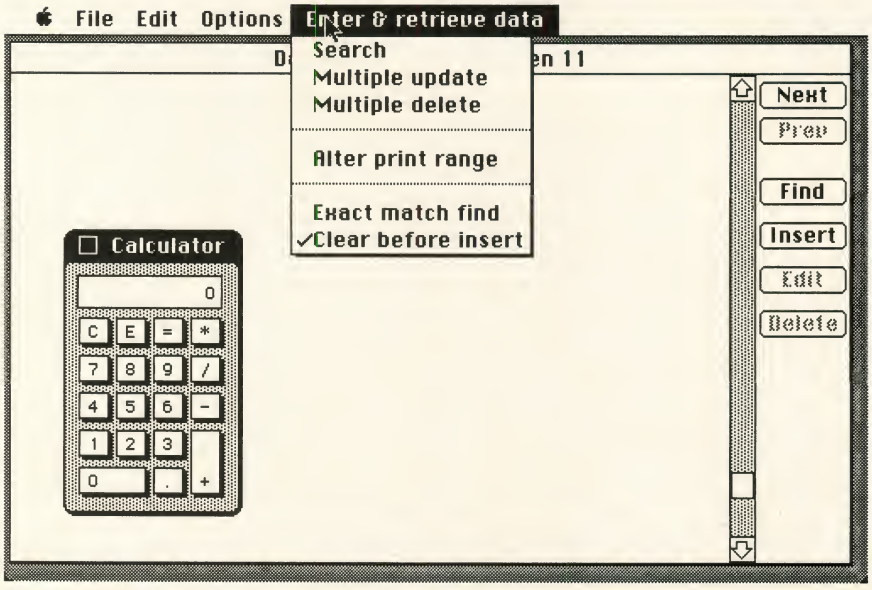
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OMNIS 2

Data base

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Text editor (optional). Inclusions: Report generator.



Macintosh users running OMNIS 2 will have the ability to enter and retrieve numeric fields to or from a calculator. In addition, they will be able to use flexible data-entry formats on up to 12 screen pages, add or delete fields at any time, make calculations of both date and numeric fields, and perform full logic and error-checking functions.

OMNIS 2 is a member of a data-base software family that's been designed for relatively new users of computer data bases. This product incorporates the use of the Apple Macintosh computer's mouse, pull-down menus, icons, and other features for ease of operation.

The OMNIS 2 program also offers a special screen-design technique for data entry on up to 12 screen pages. In addition to this flexible data-entry format, OMNIS 2 users on the Macintosh will also be capable of adding and deleting data fields at any time, making calculations of both date and numeric fields, and performing full logic and error-checking functions.

Other OMNIS 2 features include the ability to enter and retrieve numeric fields to or from a calculator, full search capabilities on up to 50 fields, multiple updating features in which 50 fields can be updated simultaneously, password protection on five user levels down to field level, menus rearranged to exclude function commands for each field level, direct editing of data fields via the mouse, and fields that can be "cut and pasted" on to a "clip board" or "scrap board."

In addition, OMNIS 2 contains a REPORT GENERATOR that can be used on the Macintosh to design reports according to exact requirements; to perform 60 additional "what-if" calculations; for nine levels of sorts or subtotals; to transfer reports to MacWrite; and with a text editor to generate standard letters incorporating fields from the data base, or to provide mail-merge and mailing-label production.

OMNIS 2 is hard-disk compatible and, in addition to the Macintosh, it is also available for the Apple IIe, IIc, III, expanded II plus, and Lisa.

Available from your dealer or:
Organizational Software Corp.
2655 Campus Drive, Suite 150
San Mateo, Calif. 94403
415-571-0222
Retail Price: $195
Release Date: October, 1984

PFS:FILE

File management; data base

System Requirements: 128K Macintosh; one disk drive (second disk drive recommended for large files).

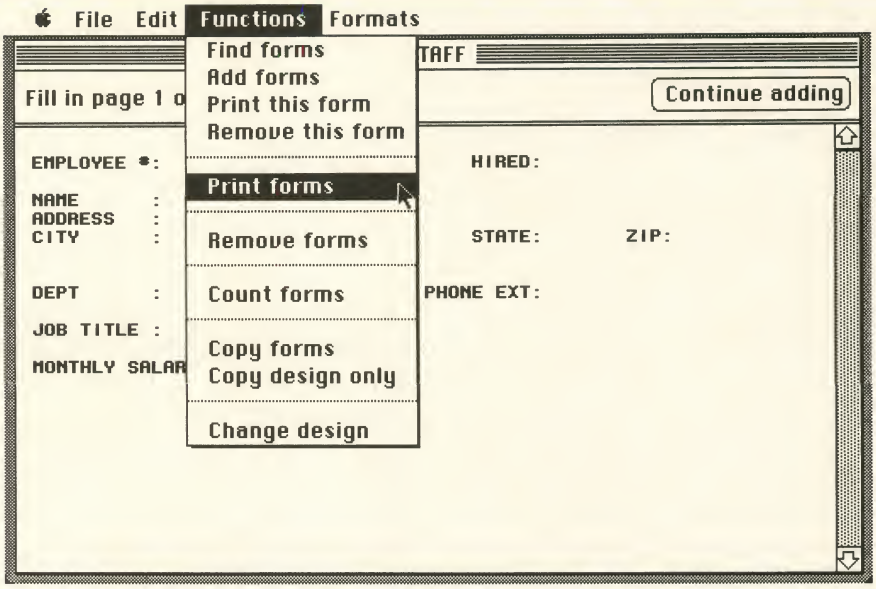
The PFS:FILE data-base program provides many important information-management functions in a relatively easy-to-use package. Information is organized in "forms" that the user designs on the screen and then fills in the blanks.

Forms are filed electronically and easily found at any time simply by choosing one or a combination of items that appear on the form and letting the computer search for those files that match. The forms can be printed in any format the user chooses, to make things such as mailing labels,

invoices, rolodex cards, and the like. In addition, the original form design can be changed at any time without losing any data.

Small- to medium-sized businesses, departments in Fortune 500 corporations, and many types of organizations can use PFS:FILE for all their data-base or file-management needs. The program has adequate capacity for large files. For example, a form can have as many as 32 pages and 100 items per page—that's 3200 items per form. Up to 2,900 forms will fit on one 3-1/2-inch diskette, and, if a hard disk is used, up to 32,000 forms—or four megabytes—can be stored.

The program can save up to eight print formats that can be called up at any time for instant printouts. It will search by full or partial item matches. In other words, the user doesn't have to know the exact wording or spelling in order to search things out in the data base. And PFS:FILE allows the user to enter running text in forms for abstracts of commentaries with unlimited attachment pages.



Available from your dealer or:
Software Publishing Corporation
1901 Landings Drive
Mountain View, Calif. 94043
415-962-0191
Retail Price:
$125 PFS:FILE
$195 PFS:FILE/PFS:REPORT bundle
Available now

The Macintosh version of PFS:FILE makes use of all the easy-to-use features of the machine and the software. Up to eight print formats can be stored for instant access. Form design is straightforward, and manipulating forms is simply a menu choice.

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Circle 11 on Reader Service Card

Factfinder

Data organization and management

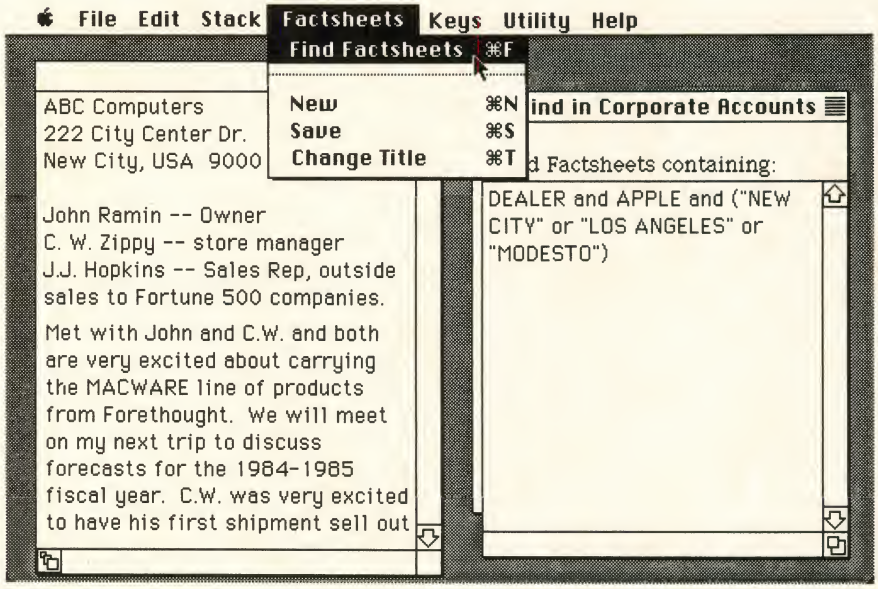
System Requirements: 128K Macintosh; one disk drive.

Factfinder is an information organizer that allows free-form entry of data rather than the highly structured format of most data-base programs. It promises to be a simple way to keep track of important people, places, and things. The program can be virtually anything the user wants it to be—a card catalog, clip file, in box, daily journal, whatever.

The information is stored in a Factsheet window. The text can be entered and edited free form from the keyboard, cut and pasted from the Macintosh clipboard, or loaded from a suitable external text file. Each Factsheet is named when it's saved.

Then any number of Factsheets can be grouped into a stack for efficient organizing and easy searching. A stack can also be locked to protect its contents from being accidentally altered.

The user can reference and cross-reference each Factsheet by entering one or more key words in the Keys window. The key word can be entered by typing it in the window, by typing it on the Automatic Keywords list so it's listed for several fact sheets, or selecting it with the mouse from the Factsheet text and marking it as a key word.



This screen shows the free-form nature of the data entered into Factfinder, and the way a search is made. The screen indicates a request to "Find Factsheets" according to the criteria in the right-hand window.

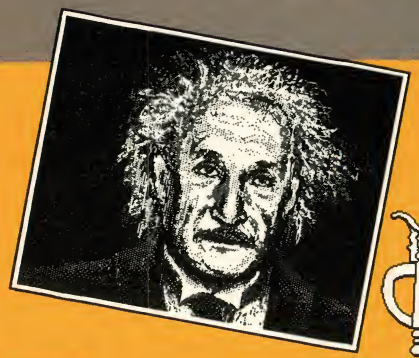
A simple Find window lets the user make searches and queries based on Factsheet titles, key words, or by file creation or modification dates. The program automatically keeps track of these dates.

The program creates and maintains a complete index of each stack's contents. The user can bring the index to the desktop to help remember titles, key words, or dates, and then select them with the mouse to build a search request or query.

Factfinder uses all the Macintosh's special capabilities, including text editing, and will accept compatible text files from personal computers or mainframes as long as the proper communications software is in operation. For additional Factsheet capacity, Factfinder will operate with several larger-capacity disk systems like the TECMAR MacDrive, Davong Mac Disk, or Apple Lisa 2/5 or 2/10 with MacWorks.

Available from your dealer or:
Forethought, Inc.
1973 Landings Dr.
Mountain View, Calif. 94043
415-961-4720
Release Date: October, 1984

The ClickArt™ Collection









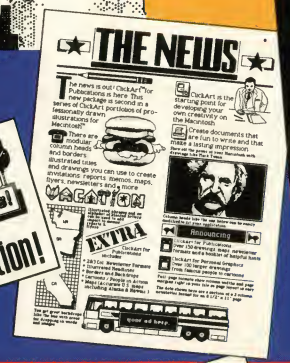




















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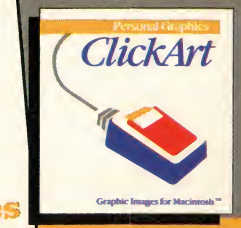
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ClickArt, Personal Graphics, Publications & Letters for Macintosh with MacPaint™ and MacWrite™. $49.95 each. See your local dealer for details or call: T/Maker Graphics, 2115 Landings Drive, Mountain View, CA 94043 415/962-0195.

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Circle 14 on Reader Service Card

Please

Data-base management

System Requirements: 128K Macintosh; two double-sided disk drives or a hard disk.

The Please data-management system for use with the Apple Macintosh computer is more versatile than simple filing systems, but easier to use than a complicated data-base program. Its features include simplified methods of data input and output and a Help feature that is constantly available.

Input and output are simplified by a Master Menu that lists program options and two other menus. The first of these two menus tells users how to create, modify, delete, and list Output Plans. The final menu guides users through steps needed to list, copy, modify, merge, receive, delete, and design a data base.

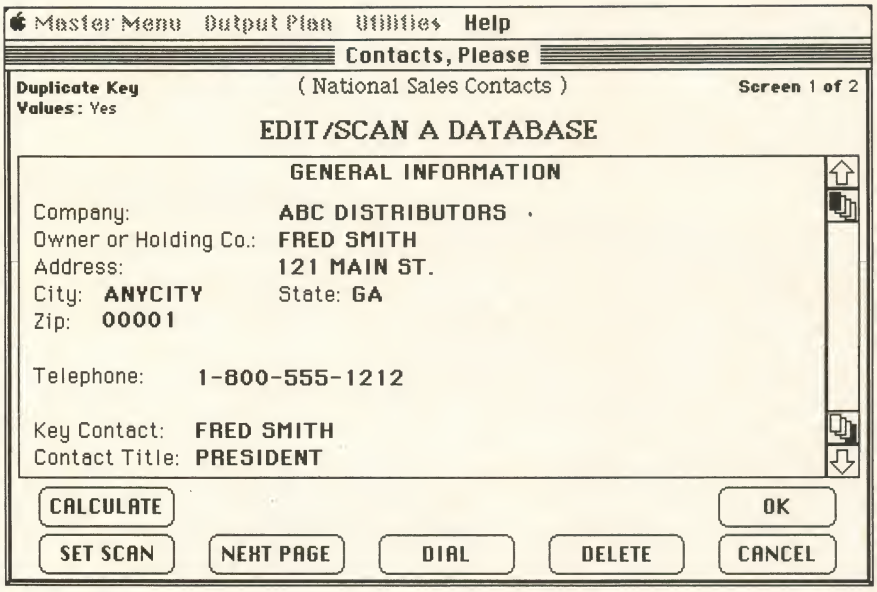
Please users can change a data-base structure, enter new data, merge and copy data bases, and transfer data. They can integrate data from other data-base products, word-processing files, or spreadsheets. They also have the option of customizing screen formats and field characteristics, or using the Please default settings that line up data in orderly columns.

The program has four different designs for Output Plans—List, Form, Replacement, and Export—that enable data output to be shaped to meet specific needs. The program also has a Quick List feature for a one-time listing of data.

Optional application templates are available for meeting common data needs with Please. The templates, which have preset data structures, include Applicants, Appointments, Contacts, Employee Files, Home Finance, Membership, and others. In addition, the program's User's Guide includes a tutorial, "Ready-Set-Go," that enables users to immediately start designing their own data bases.

The program can be used to manipulate up to 999 characters per field, 99 fields per record (with a maximum 2,000 characters per record), and 16 million records per data base.

Available from your dealer or:
Hayes Microcomputer Products, Inc.
5923 Peachtree Industrial Blvd.
Norcross, Ga. 30092
404-449-8791
Retail Price: $349
Release Date: November, 1984



This screen shows what a typical Please record might look like. The program allows the user to change the data-base structure at any time, and to integrate data from other data bases, word-processing programs, or spreadsheets.

1stBASE

Data-base management

System Requirements: 128K Macintosh; one disk drive.

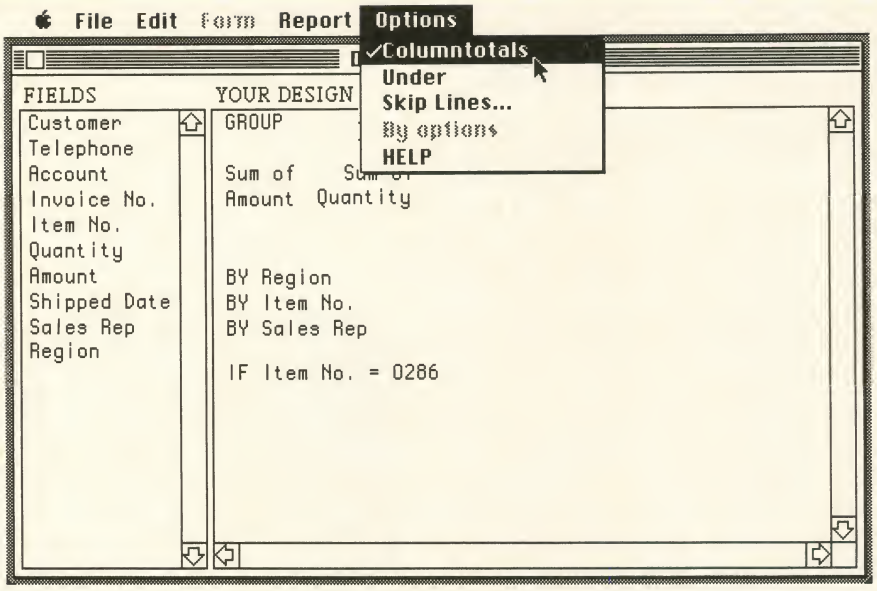
1stBASE is a relational data base system with strengths in file-handling and report-writing options. It offers multiple file capability, user-defined file formats, automatic generation of data-entry screens, and files that may be as large as the disk.

The program uses all Macintosh editing features. Points and clicks of the mouse produce personnel files, prospect lists, columnar reports, mailing labels, or other applications. Queries to the data base can be answered without typing a single command.

Pull-down menus and prompts make 1stBASE easier to use than data-base management systems on other computers. Busy business professionals will appreciate the easy access to data. To search and view a record is as easy as pulling down the form option from the menu bar and then clicking the mouse on the "find record" selection. The desired record is found by specifying field information such as a last name, telephone number, or shipment date.

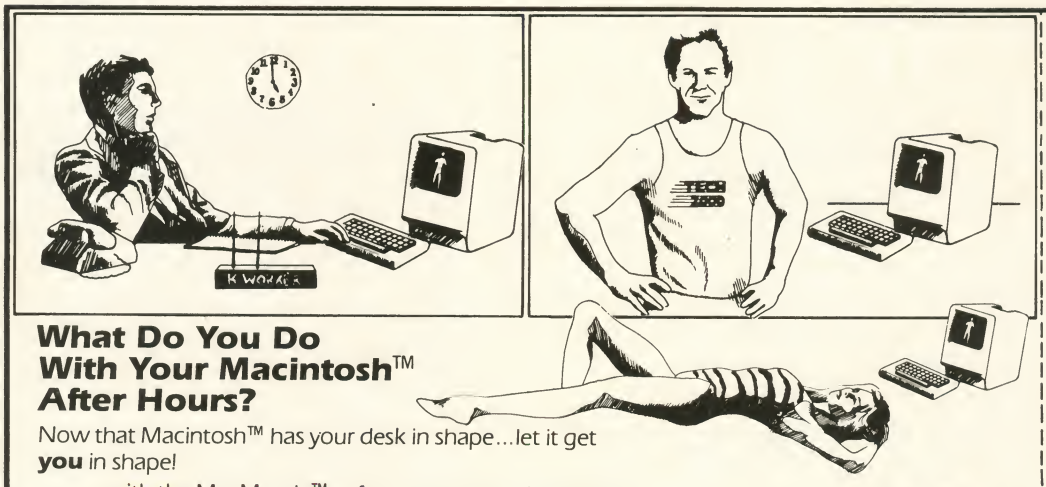
1stBASE allows up to 50 fields per record. With one request users may sort on multiple fields. They may also screen data for reports, produce statistical summaries, format reports with column totals, and even produce reports that can be saved and used with MacWrite and MacPaint. Related files may also be joined.

Besides running on the Macintosh, 1stBASE also runs on the Apple Lisa computer using MacWorks.



1stBASE uses an easy blueprint guide when creating and changing files. This screen is accessed through the File option on the menu bar.

Available from your dealer or:
DeskTop Software Corporation
228 Alexander Street
CN-5287
Princeton, N.J. 08540
609-924-7111
Retail Price: $195
Available now



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Hayden•Base

Data-base software

System Requirements: 128K Macintosh; one disk drive.

Hayden•Base is an information-management tool written for the Macintosh that helps a user create an organized "base" of data that can be included in reports, retrieved in alphabetic or numeric lists, or viewed in a variety of ways.

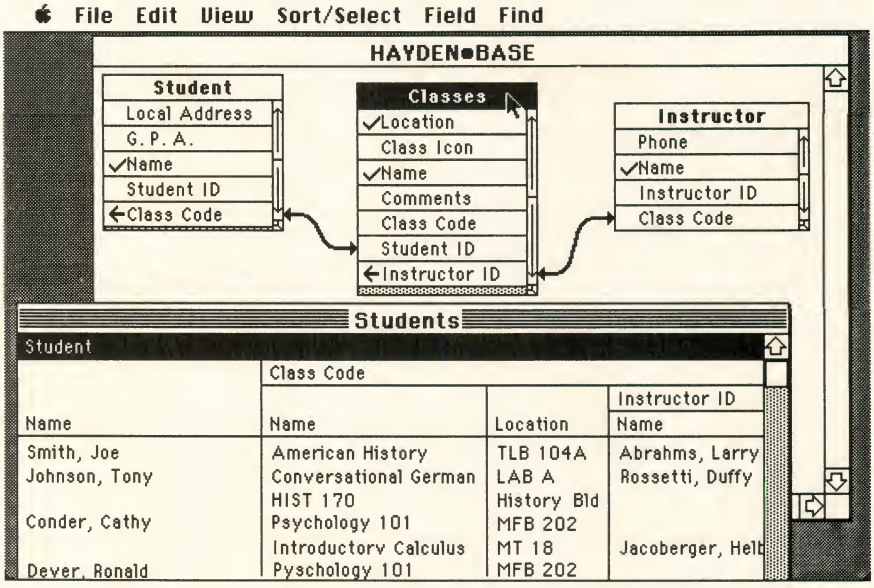
This base of information can include such items as names, addresses, figures, test scores, loan payments, budgets, etc. It can literally be made up of any type of information a user may need to store and consult regularly to make decisions or solve problems.

In addition to just organizing data, Hayden•Base lets a Macintosh user interrelate data in order to look at it from multiple points of view. In this way Hayden•Base can show relationships between items in an information or data base that might otherwise be difficult to detect.

Hayden•Base data fields can contain single or multiple entries. In addition, these fields can be of variable length and they can contain alphabetic or numeric data, dates, times, or MacPaint-created illustrations. And any information changed in one field will automatically be updated in other related fields.

All data entries, edits, and reports made using the data stored in the program can be executed by either an experienced or novice user via the Macintosh's mouse, screen icons, and pull-down menus. The program itself also contains overlapping windows that let a user view information stored in several fields simultaneously.

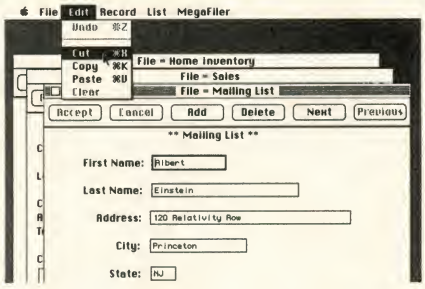
Available from your dealer or:
Hayden Software Company
600 Suffolk Street
Lowell, Mass. 01853
800-343-1218
Release Date: October, 1984



Hayden•Base is a relational data-base management system designed especially for the Macintosh. Due to its flexibility, a user's base of information can include literally any information that can be expressed alphabetically or numerically.

MegaFiler

Data-base management



System Requirements: 128K Macintosh; one disk drive.

MegaFiler is an easy-to-use file management system that allows the user to create custom files or to use the file formats already stored in the program. The predefined formats include mailing list, sales record, business inventory, home inventory, stocks, and customer order.

MegaFiler makes full use of the Macintosh environment, with its overlapping windows, icons, editing capabilities, and access to all desktop accessories, fonts, and so on. MegaFiler also allows up to three files to be displayed on the screen at the same time.

Sorting can be done by any field at any time, and MegaFiler's report capabilities let you create and print all kinds of columnar reports and mailing labels.

Available from your dealer or:
Megahaus Corporation
5703 Oberlin Drive
San Diego, Calif. 92121
800-358-8882
800-451-1230 in Calif.
Retail Price: $195
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OverVUE

Data-base management

System Requirements: 128K Macintosh; one disk drive.

OverVUE is a Macintosh data-processing package used for organizing and analyzing information. It combines a spreadsheet-like display with fast operating speed, and it takes advantage of the full Macintosh tool kit, including windows, scroll bars, pull-down menus, etc.

New data bases can be set up on the program, while existing ones can be modified, in just a few minutes. Other program features include:

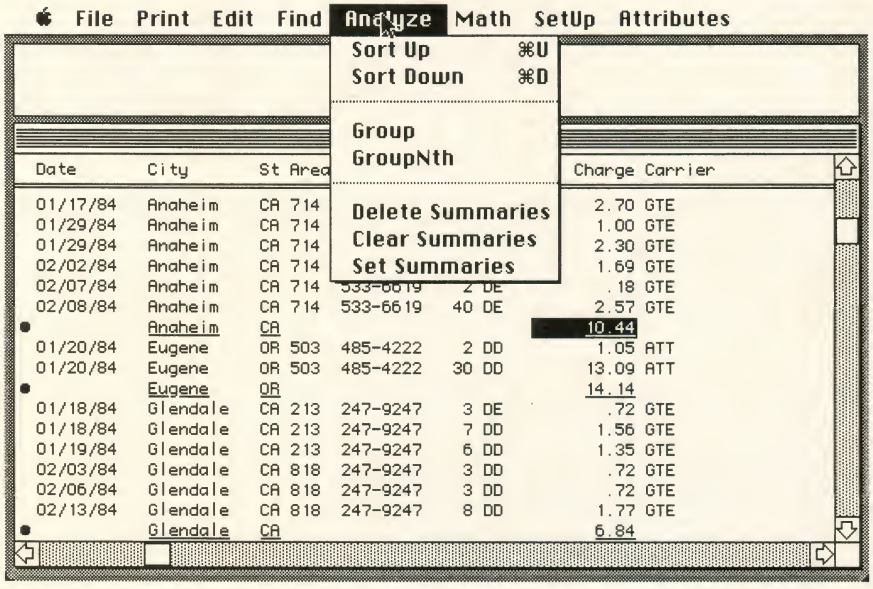
Variable-length data cells. Any cell may contain up to 64 characters, with up to 60 cells available per record.

Modifiable data structure. Columns (fields) may be inserted, deleted, or modified at any time without affecting existing data.

Speed. OverVUE can sort 1,000 records in about two seconds, and data can be sorted by any field.

Conserved disk space. The program does not store any blank padding and does not use key files. Most data bases require 60-75 percent less disk space when converted to OverVUE.

Sort and select on any column. Sorts may be combined to sort by two, three, four, or more columns. Selects may occur on any column, and may be combined.



This OverVUE data-base screen illustrates the program's spreadsheet-like display and one of its many menu-driven functions. The program takes advantage of the many unique capabilities of the Macintosh, such as windows, scroll bars, and pull-down menus.

Math operations. These include totals, counts, running total, running difference, equations, averages, minimums and maximums. All operations may be applied to the entire data sheet or to subgroups, and OverVUE can automatically divide a data sheet into logical subgroups like cities or states. Math can be performed on both rows and columns.

Data interchange. OverVUE is designed for data interchange with other software, including Microsoft CHART and PLAN.

Report Generator. Custom reports may be created by painting an image of the report. To do this, a user drags the appropriate fields into position with the mouse. Up to eight different report templates may be stored with each file.

Editing. OverVUE allows editing similar to Macwrite. There is no need to learn new procedures.

Data capacity for a standard-configuration Macintosh yields reports of 12 to 15 pages, 8½ x 11-inches in size. Capacity on Apple's soon-to-be-released 512K Macintosh (Fat Mac) will be increased since the program's size doesn't change, and all extra memory becomes available for data.

Available from your dealer or:
ProVUE Development
222 22nd Street
Huntington Beach, Calif. 92648
714-969-2431
Retail Price: $295
Release Date: August, 1984

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DB Master Macintosh

Information management; data base

System Requirements: 128K Macintosh; one disk drive; printer recommended.

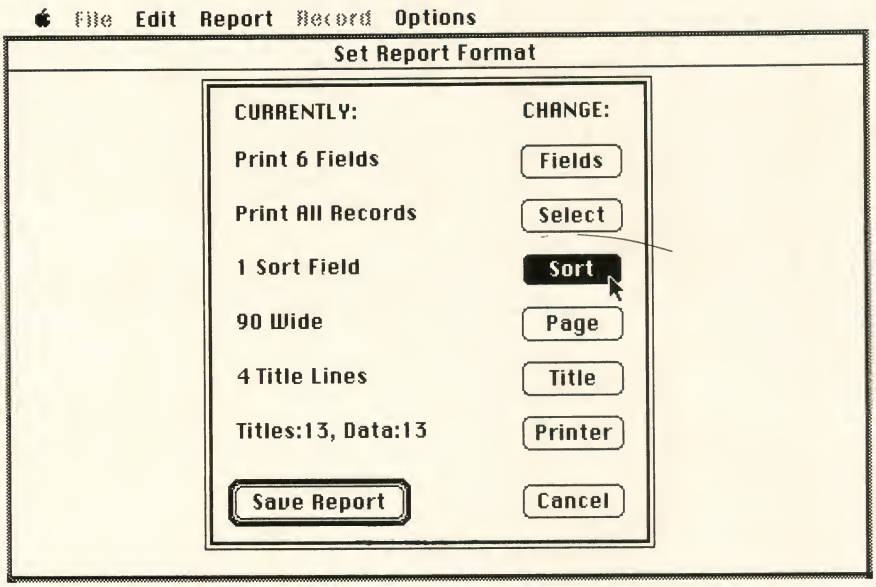
DB Master Macintosh is an information-management system for anyone who needs to store, organize, retrieve, or reproduce data of any kind. It is a completely new data-base management program written for the Macintosh and based on DB Master, a top selling data-base program for Apple and IBM computers.

Since it uses the full complement of Macintosh features, including the mouse and pull-down menus, the program is easy to learn and to use. Moving from one operation to another is quick, thanks to the mouse, and the process of designing forms for the data base is particularly fast.

DB Master Macintosh allows the user to place information anywhere on the screen using any of the Macintosh fonts, styles, and sizes. The program is intuitive, which means it anticipates which step is next and suggests it on the screen.

Heavy-duty information needs can be handled, as well as less-demanding applications. For example, a field can be formatted to handle as many as 3,000 characters or 100 screen lines. The program allows 100 fields per record and supports a 40-character key length. Forms can be changed or rearranged without starting over or losing data, and searches can be very precise using up to 20 different criteria.

Overall, the program has a file capacity of 44 disks, or 20 megabytes of hard disk.



DB Master Macintosh was written specifically for the Macintosh, based on Stoneware's proven product, DB Master.

A particularly useful feature of DB Master is that long files are no problem when using micro diskettes, since a file can span multiple disks.

The program's report-making capabilities are powerful, too. A report can contain up to 100 fields, and can be 255 characters wide. Up to 10 sort levels can be used, and the report can be used with MacWrite or other Macintosh programs.

Available from your dealer or:
Stoneware, Inc.
50 Belvedere Street
San Rafael, Calif. 94901
415-454-6500
Retail Price: $195
Release Date: August, 1984

Main Street Filer

File management

System Requirements: 128K Macintosh; one disk drive.

Main Street Filer is an information-management tool useful for a wide range of business applications. Users design their own file formats to automate everyday tasks such as customer, prospect, direct mail, and renewal lists. Other uses include setting up electronic files for inventory control and accounts payable and receivable reminders.

The program takes full advantage of Macintosh technology. Pull-down menus, dialogue boxes, and mouse commands make the program easy enough to use right away.

The Macintosh "Cut-Copy-Paste" features can move information between Main

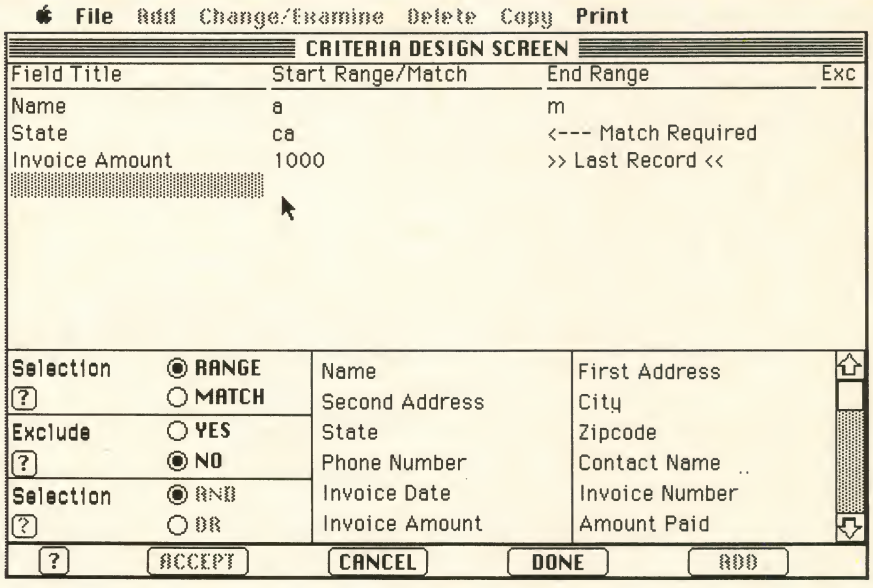
Street Filer and other Macintosh programs. Information may be merged with the Main Street Writer word-processing program or Microsoft Word to create personalized mailings. ASCII and DIF files (used in many spreadsheet and file-management programs) may also be transferred.

Each file in a data base can be kept in up to four alphabetical or numerical orders simultaneously without sorting. This can be a big time-saving advantage when retrieving information or printing reports. Records can be selected for printing on the basis of up to 10 different criteria.

Up to 64,000 records of 36 fields can be maintained in every file. Each field can accommodate a field title of 20 characters and 40 characters of data.

Main Street Filer is very flexible with data structure. Unlike many file-management programs, Main Street Filer easily allows changes to file designs after information entry without sorting, re-entering, or losing any existing data.

Report options include columnar reports, mailing-list reports, mailing labels, envelopes, or Rolodex cards.



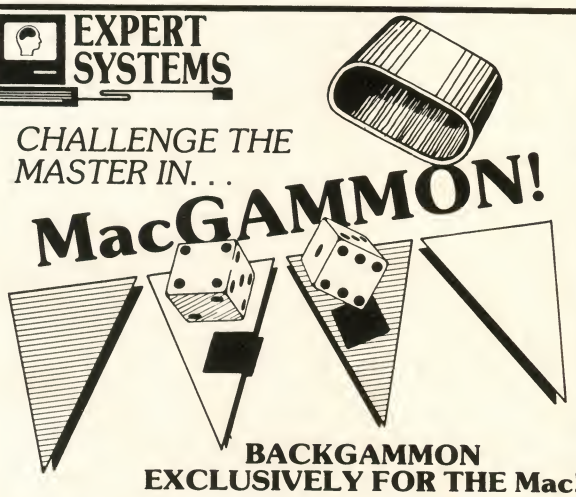
Many functions in Main Street Filer are accessed through the Macintosh mouse. Most field specifications on this screen are defined without even touching the keyboard.

Available from your dealer or:
Main Street Software
One Harbor Dr.
Sausalito, Calif. 94965
415-332-1274
Retail Price: $199
Release Date: October, 1984

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Circle 18

MacOFFIX

Office management; six integrated functions

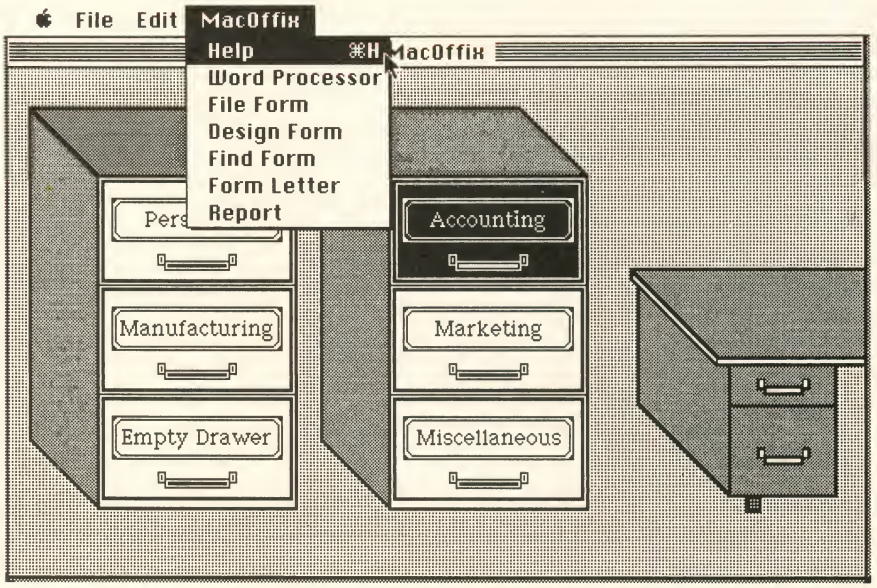
System Requirements: 128K Macintosh; one disk drive.

MacOFFIX is an integrated business-office package for the Macintosh that includes the following six different applications: Filing, Word Processing, Form Design, Finding Forms, Form Letters, and Report Generation. It is simple enough for a novice computer user to become productive in a few minutes and sophisticated enough to routinely perform the functions required in most business-office settings.

MacOFFIX's Filing module is capable of working with documents, letters, reports, forms, orders, invoices, etc. Forms and documents are placed in "folders," folders go in "drawers," and drawers are parts of "cabinets." The Word Processing module can be used to create office documents and for any basic writing purpose, such as letters, labels, and addresses on envelopes. It is a simple what-you-see-is-what-you-get word processor with no unnecessary frills.

The program's Form Design module can be used to design office forms of any type and for any reason, while the Finding Forms module searches through filled-in or completed forms to find one that may be needed at any particular time. The Form Letters module uses information found on the filled-in forms to individualize documents created on the Word Processor, and the Report Generation module produces reports from the data contained on the filled-in forms.

MacOFFIX takes full advantage of the Macintosh user interface and all of the computer's inherent features, such as its mouse, pull-down menus, and graphics. It is one program that any new Macintosh owner can insert and use shortly after taking the computer out of its box.



Available from your dealer or:
Emerging Technology Consultants, Inc.
1877 Broadway
Boulder, Colo. 80302
303-447-9495
Retail Price: $149
Release Date: October, 1984

MacOFFIX is an integrated software package for the Macintosh that provides six basic office functions all in one: Filing, Word Processing, Form Design, Finding Forms, Form Letters, and Report Generation.

MacPhone

Telephone management

System Requirements: 128K Macintosh; one disk drive; touch-tone telephone line. Inclusions: Software; dialer unit; touch-tone telephone.

MacPhone combines the utility of a touch-tone telephone with the power of the Macintosh. It is designed for any business person who depends heavily upon the telephone, including marketing reps, insurance agents, attorneys, real estate brokers, technical support personnel, and medical professionals.

MacPhone replaces an ordinary telephone with a special touch-tone handset that attaches to the side of the Macintosh. Its software acts as a telephone directory, storing and dialing up to 200 names and phone numbers. Sprint, MCI, and other long-distance services may be dialed automatically, and a detailed log of each outgoing call is maintained. Phone logs are available for printing.

An appointment calendar with a three-month display is on hand for instant access. The calendar can function as a "tickler" file during calls to help users recall important names, dates, and events.

TimeBase

Time management

System Requirements: 128K Macintosh; one disk drive. Inclusions: Standard business forms and letters.

TimeBase is a software program for the Macintosh that keeps track of a user's daily, weekly, and monthly schedule. It can track as many as four independent schedules and keep a record of events and appointments that will occur years in advance. Each appointment can be marked with a priority level to avoid any conflict in scheduling.

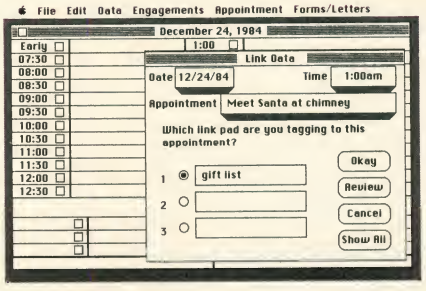
In addition, special occasions, reminders, and recurring appointments can be entered into the program by clicking the computer's mouse, and a user can locate any time slot in a schedule with a single click.

TimeBase also allows a user to access and link data from other Macintosh application software, such as a data base, word processor, or spreadsheet. For example, a client record from a data base can be "cut and pasted" into a 3:00 p.m. meeting reminder with that client. Or a user can copy a spreadsheet and link it to a meeting with a regional supervisor in another state.

The program also includes a special T.M.P. feature that provides a user with tracking, maintaining, and planning capabilities. With it a user can track call backs, accounts payable/receivable, and time cards; maintain expense records, phone numbers, addresses, cash flow, billing cycles, service contracts, and mailings; and plan both short and long-term projects.

The program also comes with a variety of standard business forms and letters that can be linked to a data base and a letter-quality printer for customized, personal mailings.

Available from your dealer or:
SoftDesign, Inc.
14145 SW 142nd Ave.
Miami, Fla. 33186
305-253-5521
Retail Price: $149.95
Release Date: November, 1984



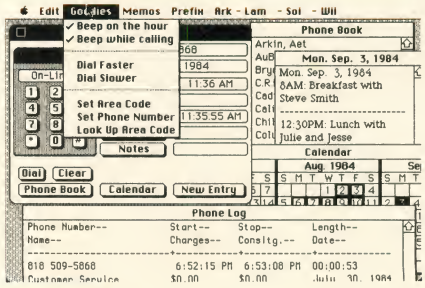
TimeBase lets a Macintosh user organize his or her day-to-day business activities by recording and keeping track of daily, weekly, and monthly appointments, meetings, etc. It also lets a user integrate information from a data base, word processor, spreadsheet, or any other Macintosh software with any appointment on the schedule.

Its time billing function should prove useful to anyone charging for telephone support. Lawyers, consultants, CPAs, and others can use MacPhone to record hourly fees for later retrieval. Phone call costs—a user-selectable option, which calculates the total phone charges of each call placed and stores that information in a phone log—is also available.

MacPhone's objective is to eliminate most, if not all, of the business clutter found around telephones. An electronic note pad (for short comments) and a memo pad (for longer notes) can at least reduce reliance on paper and pens. Both are accessible at any time, even during calls. Information is stored in MacWrite-compatible files for editing and printing.

Other features include an area code look-up to find state, regions, and time zones being called, a quick dialer for up to 80 frequently called or emergency numbers, and an audible tone that signals the passing of minutes and hours.

Available from your dealer or:
Intermatrix
5547 Satsuma Ave.
North Hollywood, Calif. 91601
818-509-5868
Retail Price: $199.95
Available now



MacPhone uses Macintosh windows to computerize most desktop functions of telephone management. An electronic phone book, calendar, automatic dialer, and notebook are all available.

MOM: The Macintosh Office Manager

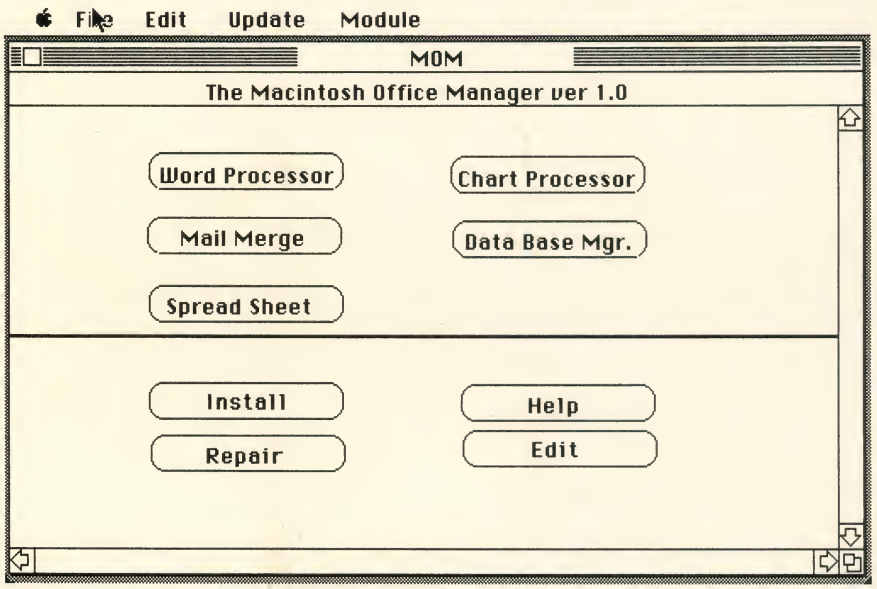
Integrated word-processing, data-base, spreadsheet, graphics/charting, and mail-merge program

System Requirements: 128K Macintosh; one disk drive; line printer.

MOM: The Macintosh Office Manager is an integrated software program for business use. It includes five modules: word processing, data-base management, a spreadsheet, graphs and charts, and mail-merge capabilities. The modules are integrated so that all data created by one can be manipulated on any of the others. This means that data-base information can be loaded into the spreadsheet, spreadsheet information into the word processor, and so forth.

The program is data compatible with Multiplan and a new software product soon to be released by Lotus Development Corp. for the Macintosh. This means that data compiled with these programs can be loaded into MOM, and data from MOM can be converted into formats accepted by these programs.

Available from your dealer or:
OmniSoft International
4 Mary Lane
Melville, N.Y. 11747
516-367-8618
Retail Price: $495
Release Date: October, 1984



A user does not have to reenter data to go from one integrated module to another on MOM: The Macintosh Office Manager. All that's needed is to point to the desired function on the program's main menu and click the mouse.

WindoWare Phone Book

Phone directory and dialer

System Requirements: 128K Macintosh; one disk drive.

The WindoWare Phone Book provides a directory for names, addresses, and phone numbers, and will automatically dial any number using the Macintosh's built-in sound generator to produce Touch Tones.

Phone numbers are stored in the directory along with their area codes if desired. The directory is alphabetical by name, and the control at the bottom of the Phone Book window is used to go through the directory and select the initial letter.

Each name and phone number may have an address stored with it. The name and address together may have up to 255 characters and may be edited using all the standard Macintosh editing commands. The Copy command may be used to transfer a name and address to another document, such as a MacWrite letter.

To dial a call automatically the user simply selects the number to dial, clicks the "Dial" button with the mouse, and holds the mouthpiece near the Macintosh speaker. Discount long-distance services may

MegaDesk

Desktop organizer

System Requirements: 128K Macintosh; one disk drive.

MegaDesk is a collection of three desktop accessories: an Appointment Book, the Quicklook, and a Reference Card.

The Appointment Book is a calendar and appointment schedule. The Quicklook provides a way to look into data stored in MegaFiler files, giving the user instant access to information while working in other applications.

And the Reference Card allows storage of virtually any kind of information like maps, directories, charts, and other information that people used to store on little slips of paper tucked in the corners of desk blotters. All three functions can be used without interrupting whatever application the computer is being used for at the time.

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		1	2	3	4	5
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800-358-8882
800-451-1230 in Calif.

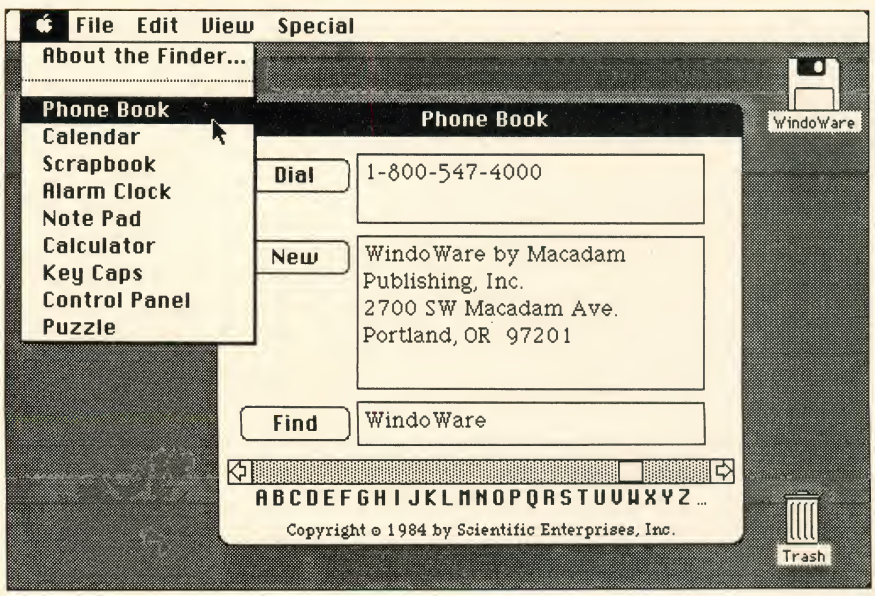
Retail Price: $125
Release Date: October, 1984

This is the Appointment Book, one of three desktop accessories included in MegaDesk, a desktop-management program.

also be dialed automatically. The user just stores the access number and password digits under a special name. Any number that is prefixed with that name, then, will be dialed through the service.

The program will also search through the directory for specific names. The user just enters the name in the "Find" window and clicks to start the search.

Available from your dealer or:
Macadam Publishing, Inc.
4700 SW Macadam Ave.
Portland, Oreg. 97201
800-547-4000, Dept. 203
Retail Prices:
$49.00 WindoWare Phone Book
$79.00 WindoWare Phone Book/Calendar
Release Date: September, 1984



The WindoWare Phone Book combines an auto-dialing feature with an alphabetical directory for names, phone numbers, and addresses.

HabaDialer

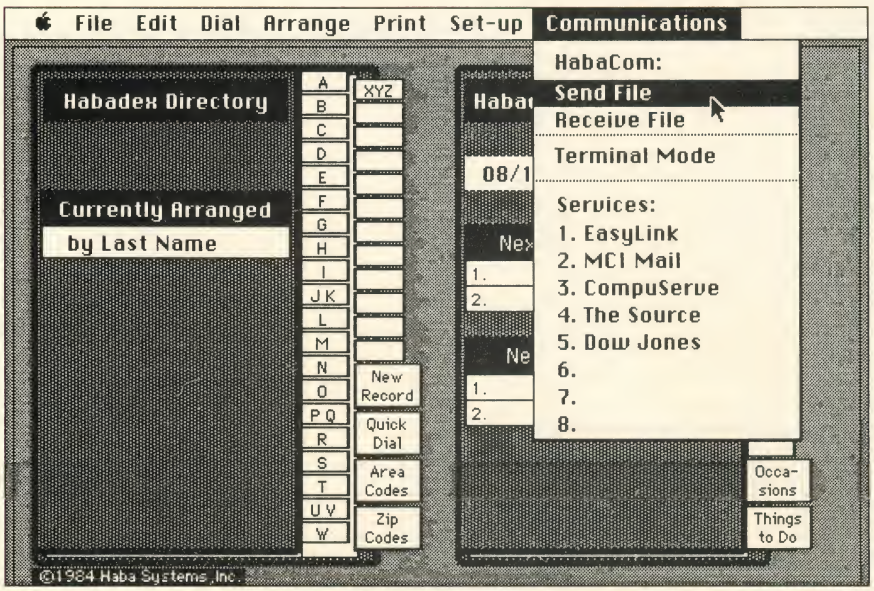
Phone-dialing accessory

System Requirements: 128K Macintosh; one disk drive; Habadex or Haba Window Dialer software.

The HabaDialer is an accessory device that gives Macintosh the ability to dial phone numbers, taking the tones generated by the computer and routing them through the telephone system.

The unit connects easily to the user's phone system and is capable of tone dialing local and long-distance numbers. It will also dial access codes for discount services like MCI and Sprint. HabaDialer is portable because of its small size and ease of connection; it fits right inside the Mac carrying case.

The device does not function as a modem to transmit or receive data, however, and works only in areas that support tone dialing.



HabaDialer is an accessory that gives the Macintosh auto-dialing capabilities.

Available from your dealer or:
Haba Systems, Inc.
15154 Stagg Street
Van Nuys, Calif. 91405
818-901-8828

Retail Price: $49.95
Available now

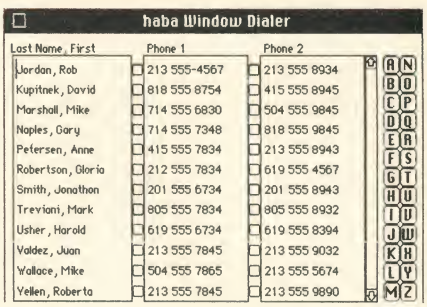
Haba Window Dialer

Phone directory and dialing

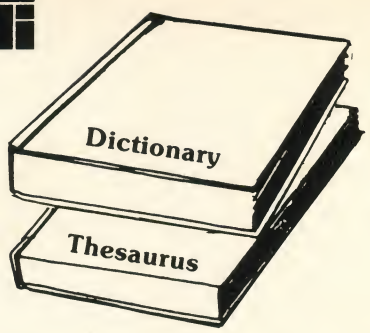
System Requirements: 128K Macintosh; one disk drive; HabaDialer or modem.

The Haba Window Dialer allows the user to pull down a phone directory window, look over a list of names, addresses, and phone numbers, and choose one and dial it through the computer—all without disturbing the program in which the user is working.

The record-entry access acts like a Rolodex file system storing hundreds of names, addresses, and phone numbers for both business and personal purposes. Each record in the program allows the user to store both a business and a home phone number. The program also allows insertion of long-distance access numbers for discount services such as MCI and Sprint.



Available from your dealer or:
Haba Systems, Inc.
15154 Stagg Street
Van Nuys, Calif. 91405
818-901-8828
Retail Price: $69.95
Release Date: September, 1984.



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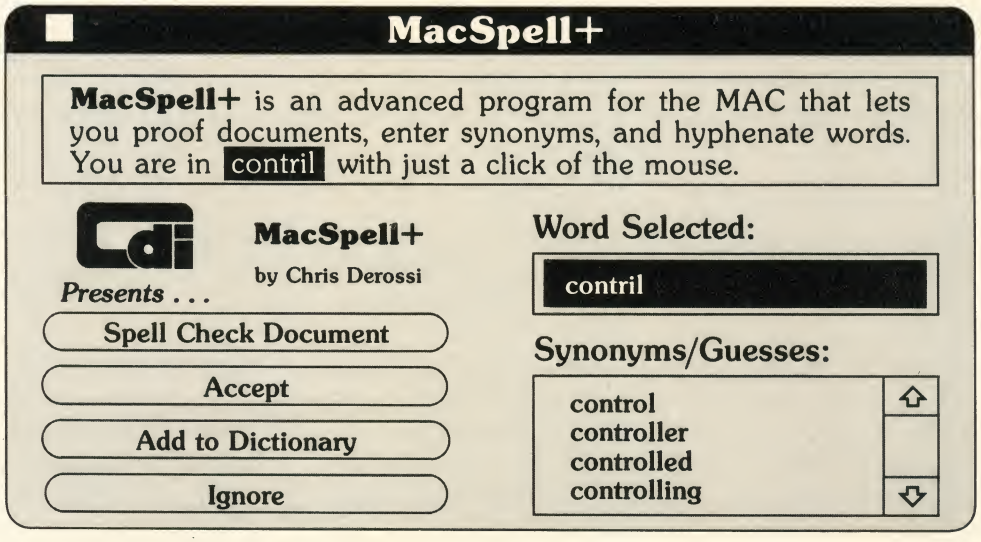
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MacDesk

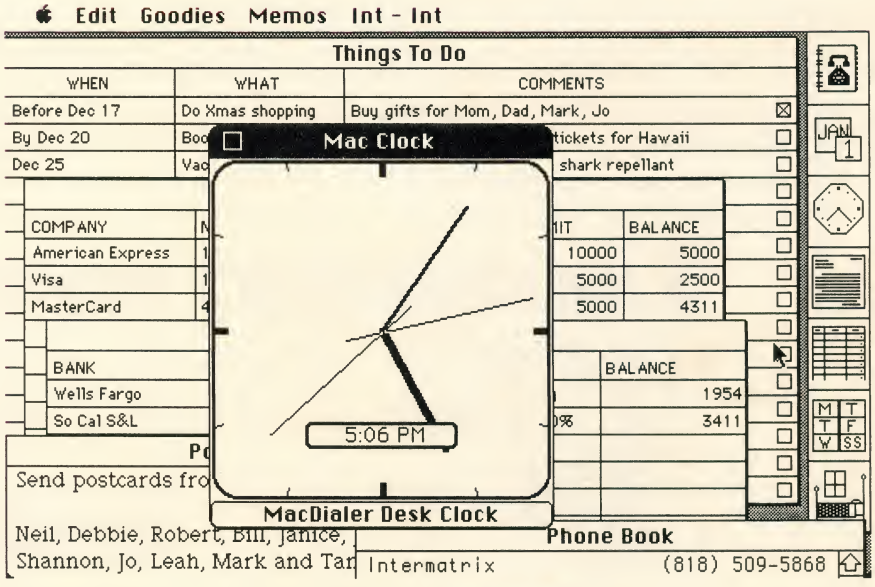
Time management

System Requirements: 128K Macintosh; one disk drive. Inclusions: Audible alarm clock.

MacDesk is both a time-management and an information-management software program for the Macintosh. It is actually a Rolodex-like program that stores names, addresses, and telephone numbers, and it also incorporates a built-in, 135-year appointment calendar. In addition, MacWrite-compatible memos and letters can be created on the program, and users can print out a hard-copy record of all daily or weekly appointments.

MacDesk has a week-at-a-glance feature with individual windows that scroll to let a user view appointments for any given day during any given week. In addition, the program's phone-book window lets a user view the basic listings it contains, and gives access to more detailed information about each entry by clicking the computer's mouse twice.

In addition, if an application window gets obscured by a larger window at any time, all the user has to do is click the icon of that application with the mouse and the hidden window will reappear in its original form. As a matter of fact, any one of the program's functions can be accessed by clicking the appropriate icon.



Some of MacDesk's other features include a bank-account list and a credit-card list that give totals and balances for all a user's personal and business accounts. The program also has a built-in alarm clock that can be set to remind a user of as many as three different appointments in a single day.

When MacDesk is left unattended for longer than one minute, an analog clock with a digital readout appears on the Macintosh's screen that is visable across an average-size room. As soon as the user returns to do more work, the clock disappears and the last window worked on reappears.

Available from your dealer or:
Intermatrix
5547 Satsuma Ave.
North Hollywood, Calif. 91601
818-509-5868
Retail Price: $149.95
Release Date: October, 1984

MacDesk, a time and information-management program for the Macintosh, features an analog clock with a digital readout that appears on the computer's screen if the program is left unattended. The clock disappears and the application being worked on reappears when the user returns to the computer to do more work.



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Be a Saint and put one (or both) of these programs in the Christmas stocking of your favorite MAC user. Just in the Nick of time for that perfect Christmas gift!!!

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Habadex

Desktop organizer

System Requirements: 128K Macintosh, one disk drive.

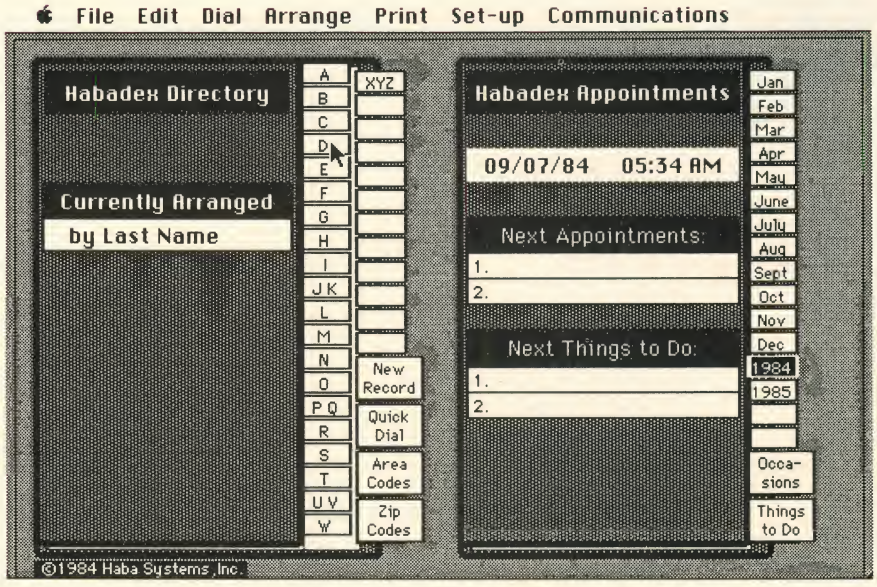
Habadex is a personal-information and time-management program that takes several desk-management aids and places them inside the Macintosh. The computer then becomes an electronic Rolodex, appointment book, phone dialer, and things-to-do list.

The first module is the Directory, or personal phone and address book. It stores the names, addresses, phone numbers, and other pertinent information of business clients, family members, personal contacts, and anyone you need to remember. The files can be displayed alphabetically according to first or last name, by company, or under a variety of other criteria.

Entering a new record only requires clicking the New-Record screen and typing in the desired information. The pre-designed screen layout includes 19 individual fields to handle just about any record-keeping needs. Records can be viewed just by positioning the cursor on the correct alphabetical tab and clicking the mouse.

The second function is Telephone Dialing. You can store commonly called numbers and emergency numbers, and then transmit the tones through the Macintosh to your phone.

The third function of Habadex is the Appointment Book. It's an electronic way to organize and remember appointments, schedules, and events. It's used just like other appointment books with monthly overviews and day-at-a-glance scheduling. The Macintosh beeps at each scheduled appointment and automatically scrolls to the next one. Throughout the day you can check your things-to-do list and also keep track of travel and expense information.

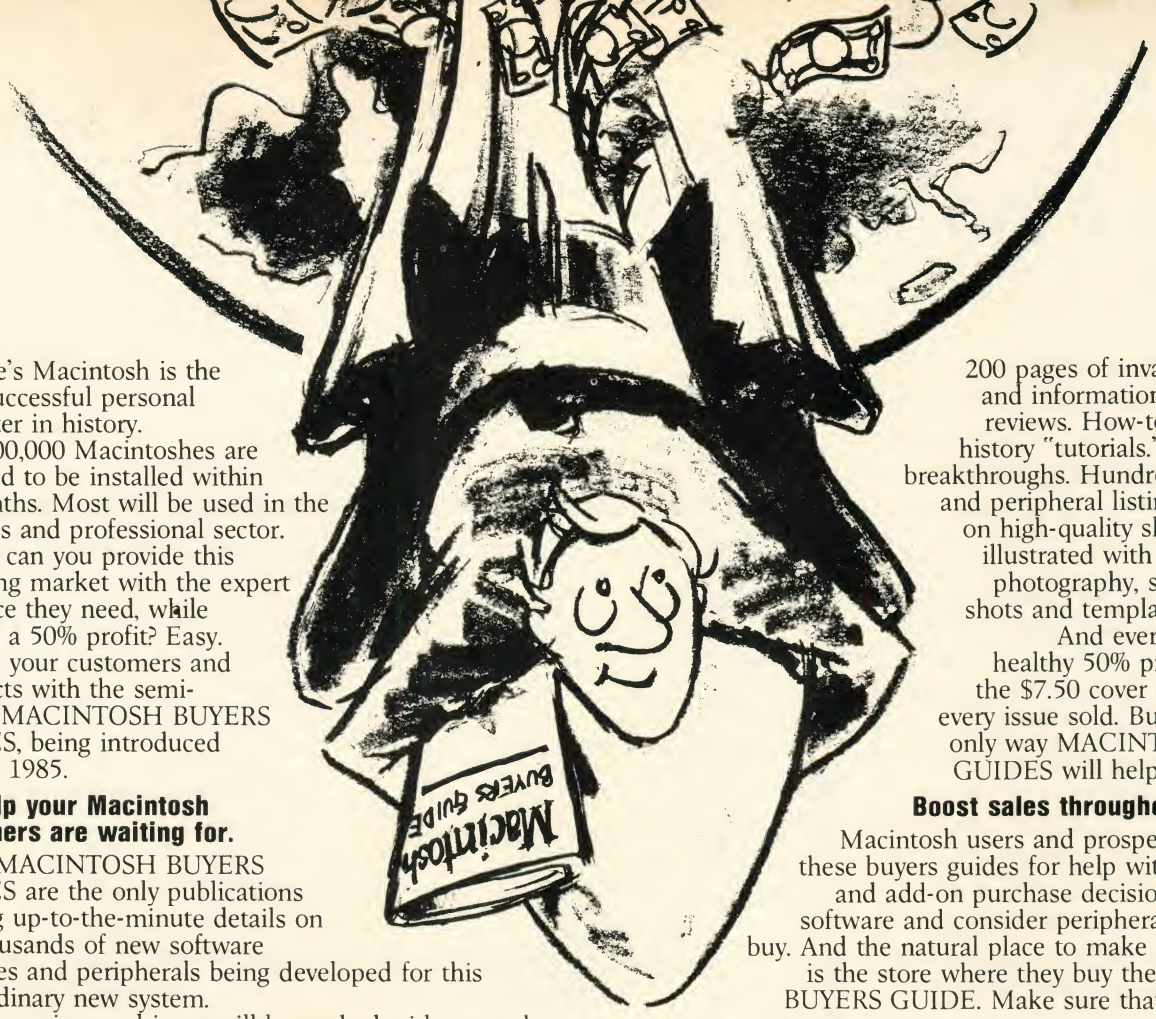


This is the Habadex screen showing its primary reference functions of Directory, Appointments, and Things To Do. Other functions not shown on the screen can be selected by pulling down the appropriate menus and clicking the mouse.

The fourth function provides Mailing Labels, Letters, and Reports. The print capabilities allow you to take information that has been collected and print it to your specifications. There are three major categories. Habadex will print a series of mailing labels. It will print custom lists of information. And it will merge names and addresses from your data base with form letters created with MacWrite or other word-processing programs.

The program is menu driven and mouse controlled. You can page through the phone directory by last name or any other arrangement you choose, go through the appointment calendar by month, and handle any number of tasks just by clicking.

Available from your dealer or:
Haba Systems, Inc.
15154 Stagg Street
Van Nuys, Calif. 91405
818-901-8828
Retail Price: $199.95
Available now



Apple's Macintosh is the most successful personal computer in history. Over 300,000 Macintoshes are expected to be installed within 12 months. Most will be used in the business and professional sector.

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Haba Window Calendar

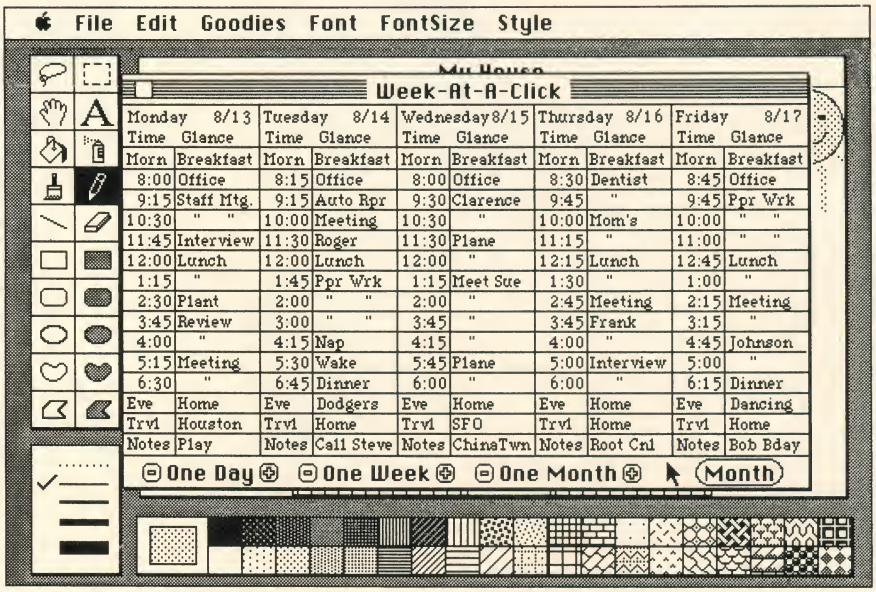
Appointment calendar

System Requirements: 128K Macintosh; one disk drive.

The Haba Window Calendar allows the user to pull down an appointment-calendar window and work with a list of appointments—all without leaving the program in which the user is working. Appointments can be changed, added, or deleted as necessary.

The program works just like an appointment book with daily, weekly, and monthly scheduling capabilities. There's also room for comments on specific appointments or meetings, and the program will track travel schedules, hotel, and flight information.

Available from your dealer or:
Haba Systems, Inc.
15154 Stagg Street
Van Nuys, Calif. 91405
818-901-8828
Retail Price: $69.95
Release Date: September, 1984



The Haba Window Calendar offers many ways to view schedules and appointments—by the month, by the week, or by the day. Each is available at any time without interrupting the application with which a user may be working.

Pythia-Terminer

Time management

System Requirements: 128K Macintosh; one disk drive.

The Pythia-Terminer helps a Macintosh user manage his or her schedule of daily appointments. A user can make an entry for each day of the week for every 30-minute period between the hours of 7:00 a.m. and 7:30 p.m., and link a note up to 60 characters long and an address to each entry.

The program, which is available in English and German, will also search all entries for a particular word or phrase, and it can handle approximately 40 address entries for each character of the alphabet up to a maximum of 1,000 entries.

The program is mouse activated, and all personal appointments are represented on its menu bar by an icon called TERMINER DATA. The manufacturer suggests that all appointment records be duplicated on another disk, however, so they can be transferred from the backup to the master file and renamed TERMINER DATA, should the need arise.

Available from your dealer or:
Pythia Ltd.
Gotzstr. 11
D-8000 Munich 40
West Germany
089-30-88-121
Available now

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Mac Calendar

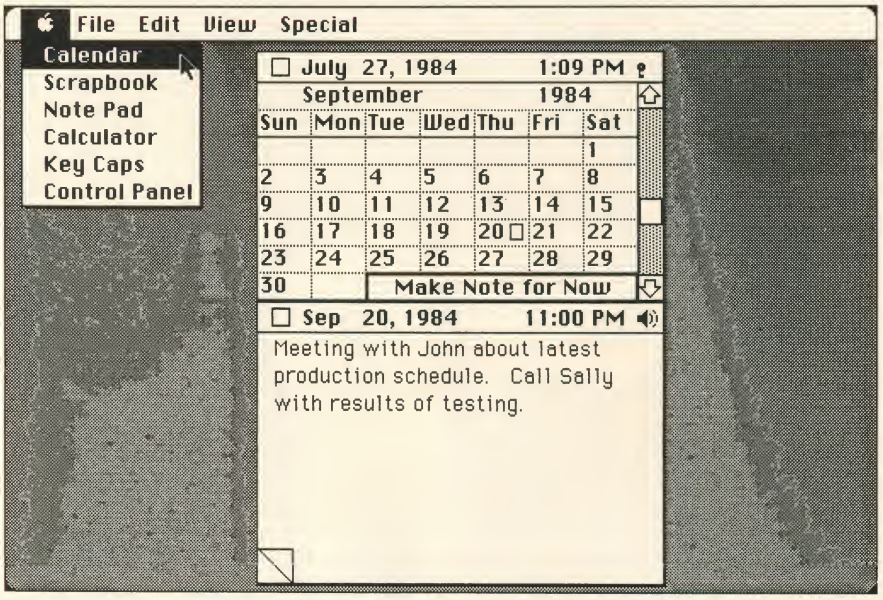
Appointment book

System Requirements: 128K Macintosh; one disk drive. Inclusions: Built-in alarm clock.

Mac Calendar is a software program for the Macintosh that helps remind a user of important dates, phone calls, meetings, or special appointments that have been scheduled days or even weeks in advance.

Unlike application programs such as MacWrite and MacPaint, Mac Calendar is an accessory program that can be stored in memory along with other Macintosh accessories, such as a notepad, calculator, or scratch pad. This means that its calendar and alarm clock are available for use even when other programs are being used.

For example, if a user is composing a letter or some other document on the Macintosh and forgets an important appointment, Mac Calendar, once installed and programmed, will still be able to warn him or her in plenty of time to make the meeting.



Mac Calendar is a software accessory program that, once stored in a Macintosh's memory, can remind a user of important meetings, dates, or phone calls that have been scheduled days or weeks in advance.

Available from your dealer or:
VIDEX, INC.
1105 Northeast Circle Blvd.
Corvallis, Oreg. 97330
503-758-0521
Retail Price: $89
Release Date: October, 1984

MacAddress

Mailing-list management

System Requirements: 128K Macintosh; one disk drive. Inclusions: A built-in word processor.

MacAddress lets a Macintosh user store up to 2,000 address records on a 3 1/2-inch microfloppy. Each record in a file consists of a name, prename, street, city, zip code, country, phone number, and several free fields for miscellaneous use.

Each entry can be modified or deleted at a later date, and letters, labels, and mailing lists can be created with the program's built-in word processor. MacAddress also lets a user retrieve information by entering a simple abbreviation.

In addition to the Macintosh, MacAddress also runs on the Lisa under MacWorks.

Available from your dealer or:
Bense KG
P.O. Box 1127
Dieselstrabe 10-12
D-4420 Coesfeld 1
West Germany
49-2541-5231
Release Date: November, 1984

WindoWare Calendar

Calendar and appointment management

System Requirements: 128K Macintosh; one disk drive.

The Appointment Calendar provides a variety of time-management functions for the Macintosh owner.

The Perpetual Calendar allows the display of any date in the Julian calendar. The number of days in the month, day of the week for a given date, and so on, are all visible on the display. In keeping with the Macintosh philosophy of "what you see is what you get," the display looks just like a printed calendar would look.

The Appointment Notebook lets the user enter messages for any day of the year. Each message can have up to 255 characters. The user simply clicks twice on the date desired and a window opens up that has full text entry and editing capabilities.

The Scheduling Aid automatically marks the calendar dates with a symbol that tells the user that those dates have some kind of message or appointment. Free days can then be easily spotted. To find specific appointments or messages the program has a scan feature that allows the user to search all messages for a specific word or sentence fragment.

Appointments or messages can be printed by copying the text to the clipboard and printed with MacWrite or pasted into another document prior to printing.

Available from your dealer or:
Macadam Publishing, Inc.
4700 SW Macadam Ave.
Portland, Oreg. 97201
800-547-4000, Dept. 203
Retail Prices:
$49.00 WindoWare Calendar
$79.00 WindoWare Calendar/PhoneBook
Release Date: September, 1984

DeskSet

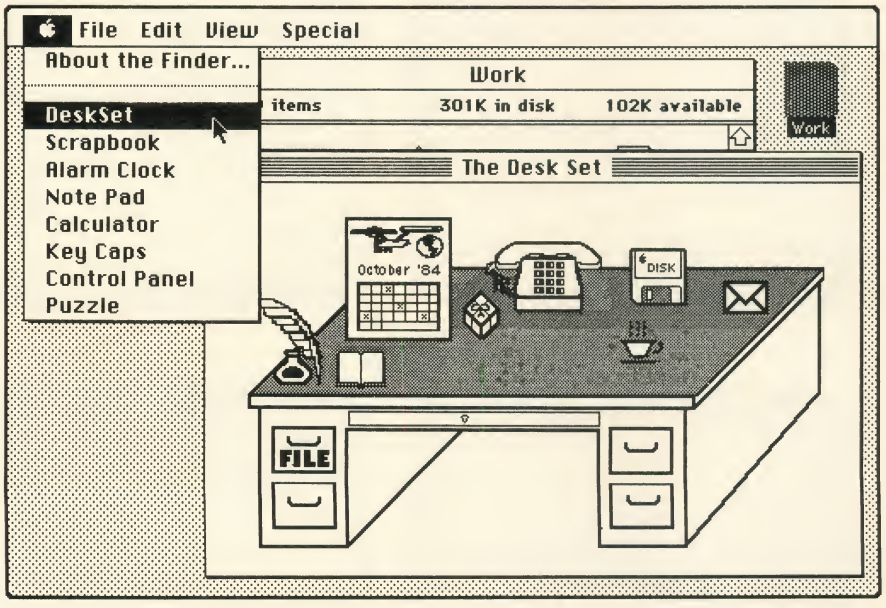
Desk organizer

System Requirements: 128K Macintosh; one disk drive.

DeskSet is a desktop manager that allows the user to manage messages, a business checkbook, an appointment scheduler, and expense reports.

The user can edit notes and cross-index any item on the desk. There's also a disk manager to keep track of important information, plus a password-protection option to keep the desktop manager from being seen by unauthorized people.

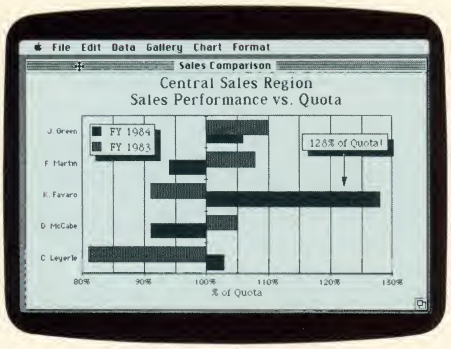
The DeskSet functions are available at any time, regardless of which other program is being used. DeskSet can be called up, worked with, and then closed—without disturbing work in progress.



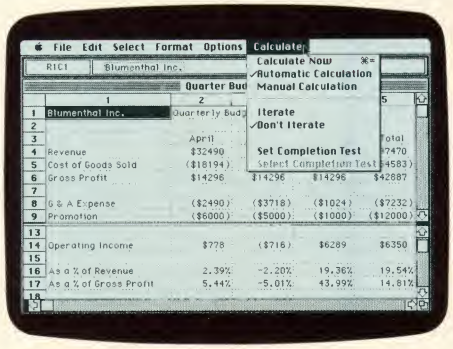
DeskSet includes an electronic appointment book, message center, business checkbook, and many other features to keep order on a manager's desktop.

Available from your dealer or:
EnterSet
410 Townsend, Suite 408B
San Fransisco, Calif. 94107
415-543-7644
Available now

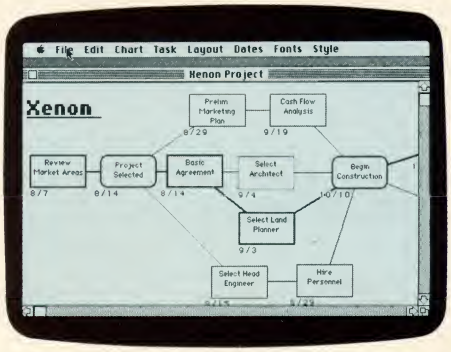
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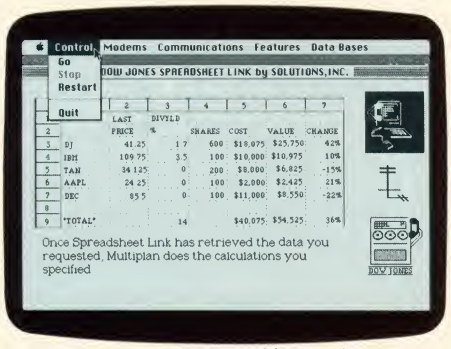
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business graphics.



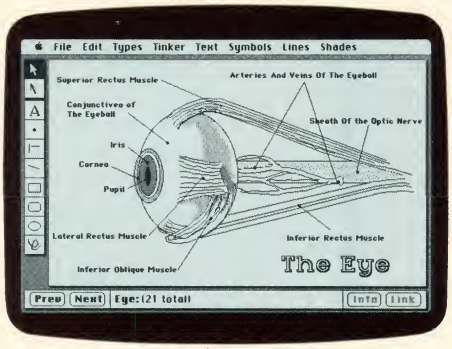
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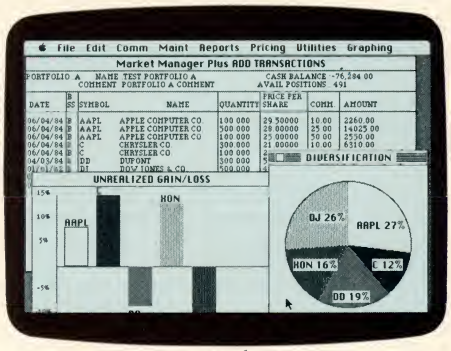
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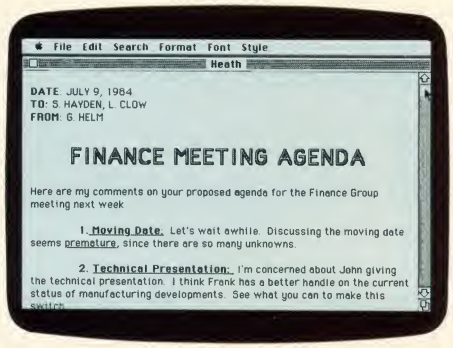
Dow Jones Spreadsheet Link,
stock analysis and communications.



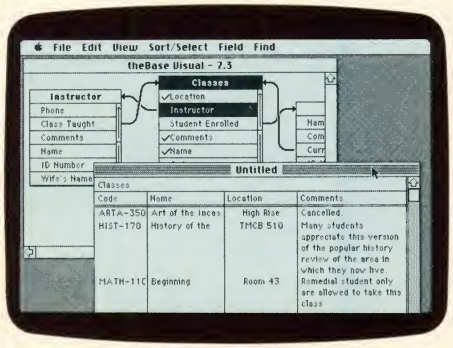
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database management.



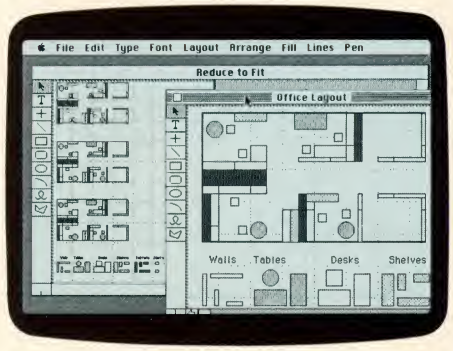
Dow Jones Market Manager,
*stock analysis.**



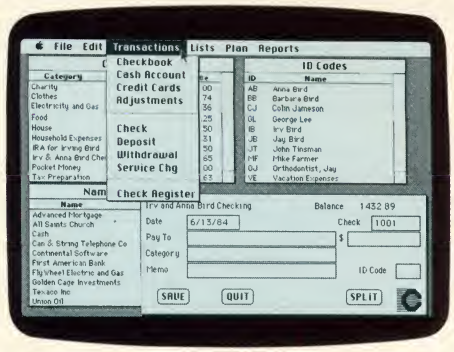
MacWrite,
word processing.



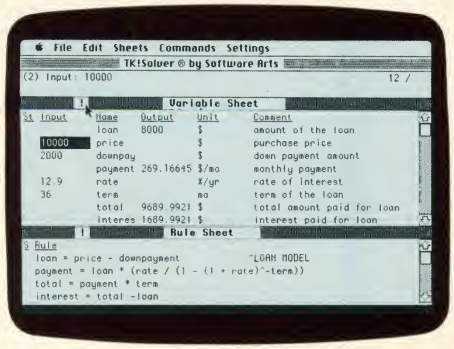
theBase,
database management.



MacDraw,
graphic illustration.



Home "Mac" Accountant,
personal finance.



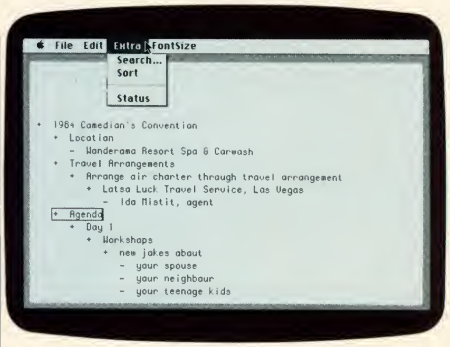
TK! Solver,
equation processor.



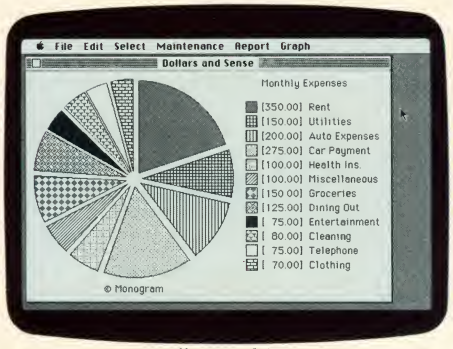
Habadex,
database and communications.

*The programs above are just a few examples of new software for Macintosh. Some are available now, others will be released in the coming weeks. *Available 4th quarter, 1984. **Available 1st quarter, 1985.*
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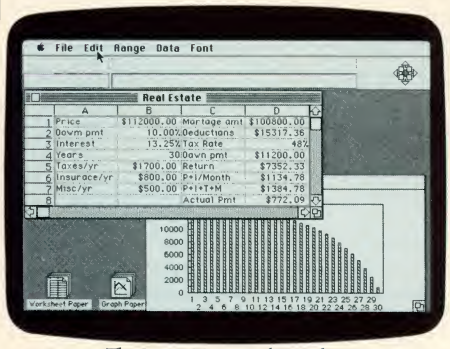
some important programs.



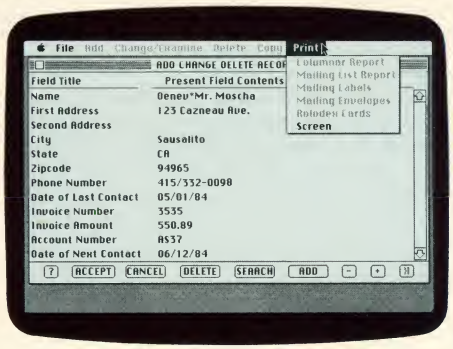
ThinkTank, idea processor.



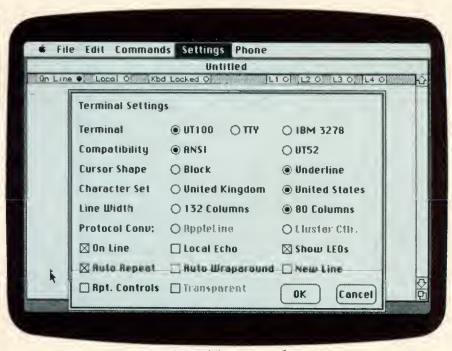
Dollars and $ense, personal finance.



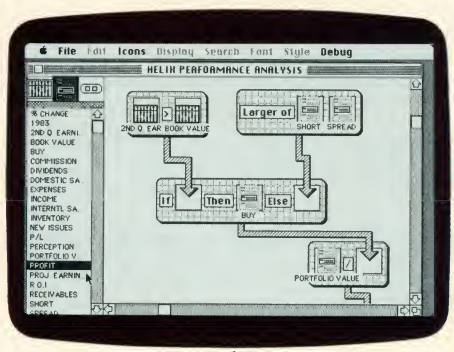
*The Lotus Macintosh Product, integrated business software.***



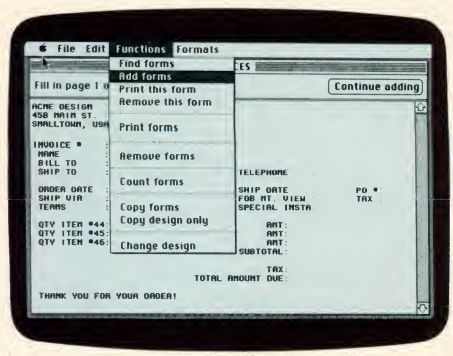
Main Street Filer, database management.



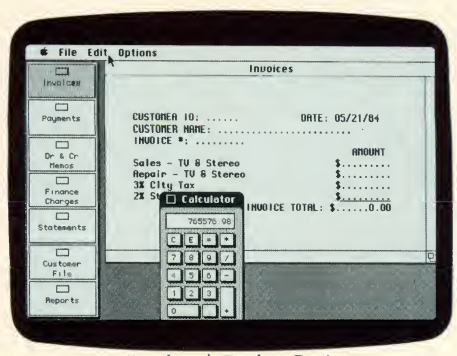
MacTerminal, data communications.



Helix, relational database.



PFS: File, database management.



Peachtree's Back to Basics, accounting package.

Every business day, a new software program is being developed for the Macintosh™ Personal Computer.

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Just ask to see the computer that's software compatible.

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Hippo-C Levels 1 and 2

C compiler

System Requirements: 128K Macintosh; one disk drive. Inclusions: Sample programs and documentation.

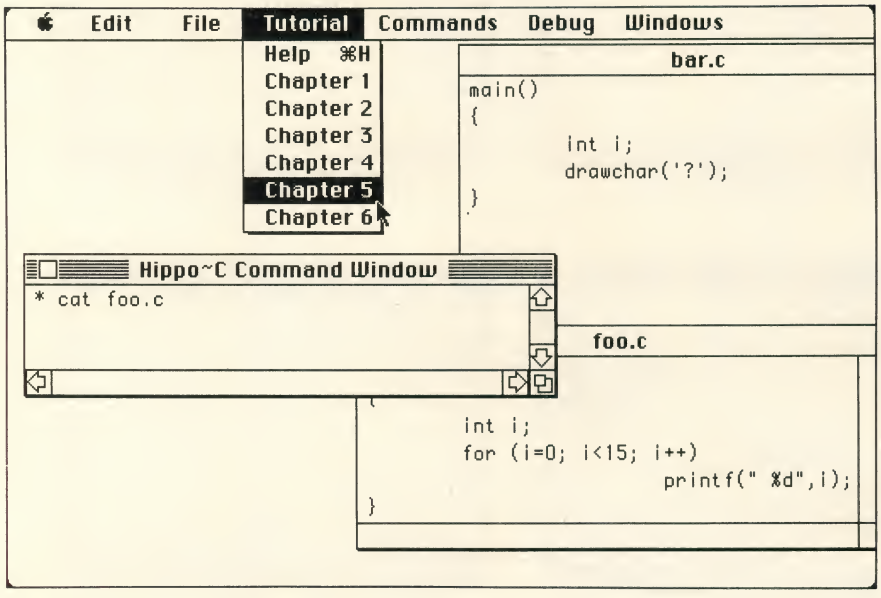
Hippo-C is a C compiler that allows the user to program in a high-level language yet gives all the advantages of programming in assembly language. The compiler produces an intermediate code that is run under the Hippo-C environment.

Hippo-C Level 1 offers an educational C environment for both students and professional programmers. It offers an editor; compiler; run-time interpreter; debugger; C library; on-line tutorial; and a shell command processor for redirection of output, piping, etc. It also provides access to the Macintosh Toolbox and Quickdraw routines.

Hippo-C Level 2 offers a professional C environment suitable for software development. It provides an editor, optimizing C compiler, debugger, C library, on-line tutorial, and a shell command processor. The compiler produces 68000 native code, which can be linked with assembly routines. It also provides access to the Macintosh Toolbox and Quickdraw routines.

Programs written in Hippo-C Level 1 are fully transportable to Level 2. This allows a novice programmer to begin with Level 1 to learn skills and then transfer his work to Level 2 for further development and enhancement.

Available from your dealer or:
Hippopotamus Software
1250 Oakmead Parkway, Suite 210
Sunnyvale, Calif. 94086
408-730-2601
Retail Prices:
$149.95 Hippo-C Level 1
$399.95 Hippo-C Level 2
Release Dates:
August, 1984—Hippo-C Level 1
October, 1984—Hippo-C Level 2



Both Hippo-C Level 1 and Level 2 provide an on-line tutorial useful for both reference and programmed learning.

UCSD Pascal Development System

Programming language

System Requirements: 128K Macintosh; one disk drive.

The UCSD Pascal Development System is a complete and ready-to-use development and execution environment for programmers developing applications on the Macintosh. The system provides the base for Softech's integrated languages, which are UCSD Pacsal, Fortran-77, and a 68000 Assembler, and also for the company's programmer productivity tools.

The UCSD Compiler gives the user the de facto Pascal standard. The programmer also gets a fully developed Pascal with extensions for systems development and commercial applications development. The language has even been extended to allow these new applications to take advantage of popular Macintosh user-interface features.

Apple Pascal programs developed on the Apple II and Apple III can be trans-

FORTRAN-77 DEVELOPMENT SYSTEM

Programming utility

System Requirements: 128K Macintosh; one disk drive.

The FORTRAN-77 DEVELOPMENT SYSTEM, from SofTech Microsystems, is a ready-to-use, software-development and execution program for high-tech users of the Apple Macintosh. It is mainly designed to provide an integrated base for using several other languages and programming aids, such as UCSD Pascal, FORTRAN-77, and a 68000 ASSEMBLER, made by the same manufacturer.

FORTRAN, which stands for *for*mula *tran*slator, is a high-level programming language devised for numerical computations. It's one of the most-used programming languages in engineering, mathematical, and scientific environments.

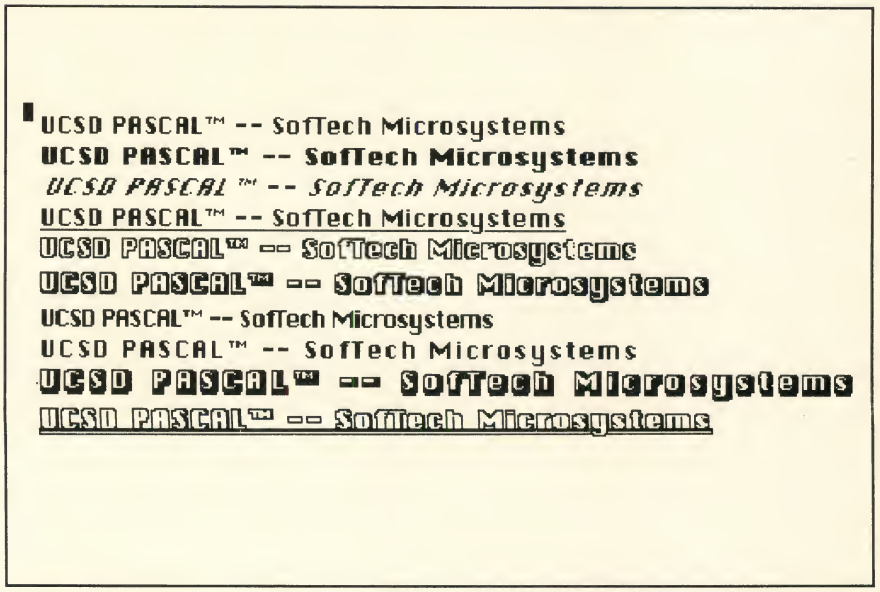
The FORTRAN-77 DEVELOPMENT SYSTEM, an up-to-date subset of ANSI-77 FORTRAN, includes a Screen Editor to assist in program development and text processing; a File Manager for transferring, renaming, and deleting files; and a Library Manager to place or remove programs from the system's run-time library. The last feature also allows a user to write smaller program segments, meaning that large applications will require less memory.

Since FORTRAN requires a compiler, the FORTRAN-77 DEVELOPMENT SYSTEM comes with a compiler that is considered to be among the most sophisticated in the microcomputer industry. It includes IF, THEN, and ELSE constructs; built-in character data types; all FORTRAN numeric and intrinsic functions; interactive input/output; and support for program overlays.

Available from your dealer or:
SofTech Microsystems, Inc.
16855 West Bernardo Drive
San Diego, Calif. 92127
619-451-1230
Retail Price: $295
Release Date: September, 1984

ported to the Macintosh with little or no modification. In addition, the source code of UCSD Pascal being used on other computers is 100 percent compatible with that for the Macintosh compilers. That means a programmer can transport that source code directly to the Macintosh.

Available from your dealer or:
SofTech Microsystems, Inc.
16885 West Bernardo Drive
San Diego, Calif. 92127
619-451-1230
Retail Price: $195
Release Date: August, 1984



The UCSD Pascal language is a fully developed Pascal with extensions that allow access to a popular set of Macintosh user-interface routines. This screen shows the execution of a UCSD Pascal program that shows font access.

ExperLogo

Programming language

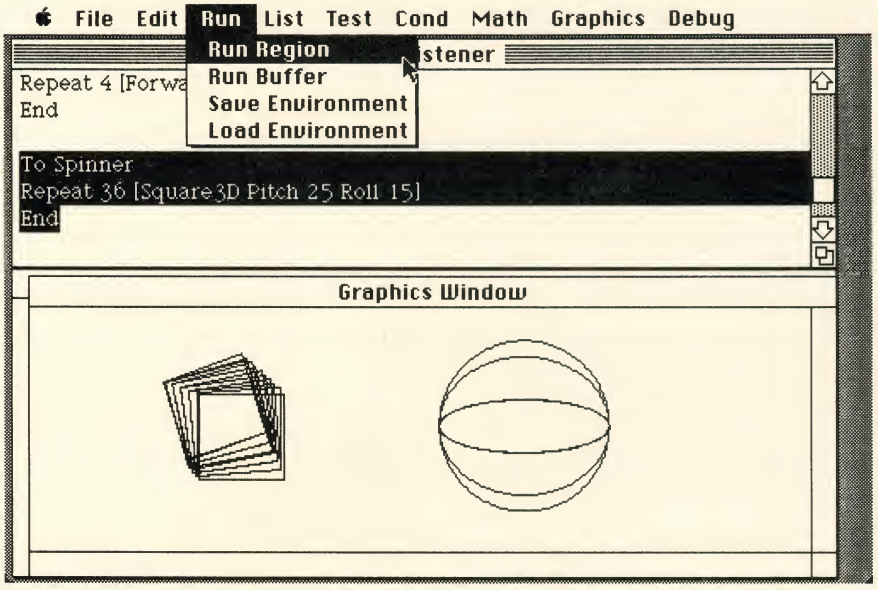
System Requirements: 128K Macintosh; one disk drive.

ExperLogo is an adaptation of the Logo computer language. It was developed to not only maintain Logo's traditional role as a programming educator in homes and schools, but also to expand its use by adding power for program development on the Macintosh.

As an educational tool, ExperLogo makes use of the Macintosh user interface so it's easy to learn and use. As a programming language the program has advanced capabilities. Its compiled speed and other features could make it attractive to the serious applications developer.

The program's turtle graphics are similar to other versions of Logo, except that ExperLogo operates up to 100 times faster. This is because it's a compiled language and that it makes full use of the Macintosh's capabilities. Even though compiled, ExperLogo retains the appearance of an interpreted language to ease the debugging process.

Language commands can be chosen from pull-down menus rather than requiring keyboard entry, and the menus themselves can be user customized to fit the needs of an individual developer. ExperLogo also supports the use of multiple windows and cut-and-paste between windows.



Bunny Graphics is a unique feature of ExperLogo. The Bunnies can move in three-dimensional (3-D) space, and respond to 3-D commands like roll, pitch, and yaw. The bunnies can also live on cubes and spheres.

ExperLogo is not limited by Macintosh's 128K RAM due to its Load-On-Call feature. Procedures are stored on disk and are automatically loaded when called.

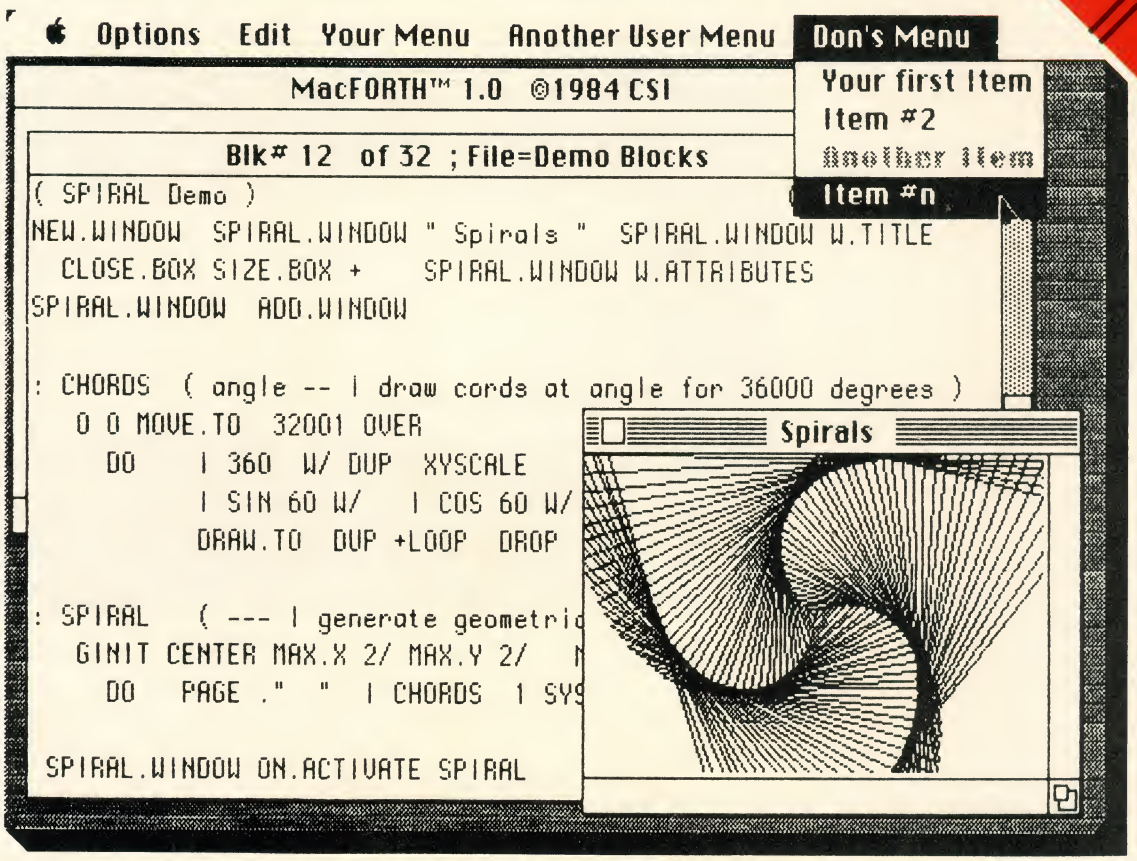
Finally, ExperLogo has the capability of processing items and lists using arrays. Arrays are particularly useful for accumulating and storing numerical information.

Available from your dealer or:
ExperTelligence, Inc.
559 San Ysidro Road
Santa Barbara, Calif. 93108
805-969-7874
Retail Price: $149.95
Release Date: October, 1984

ExperLogo uses the special features of Macintosh. The pull-down menus simplify command entry, and the graphics capabilities of the computer allow powerful, three-dimensional programming.

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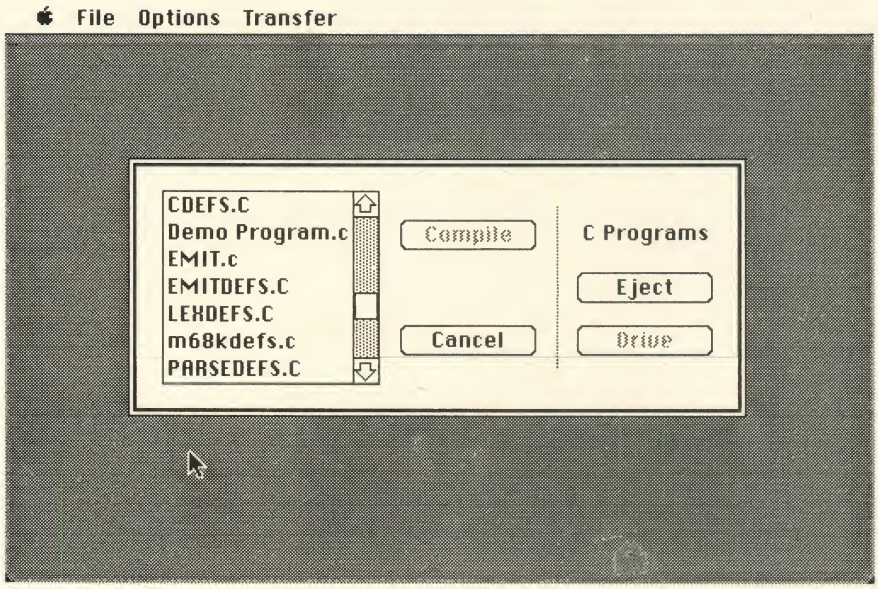
CREATIVE SOLUTIONS
4701 Randolph Road Suite 12
Rockville, Maryland 20852
(301) 984-0262

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Mac C and Mac C Toolkit

C compiler; development tools for Macintosh

System Requirements: 128K Macintosh; one disk drive. Special Requirements: A hard disk is optional.



Mac C is a C compiler for the Macintosh written by Consulair Corp., developers of the Apple Macintosh 68000 Development System. Mac C can compile up to 2,500 program lines per minute on a Macintosh equipped with a hard disk and 1,600 lines per minute on a standard Macintosh, and it also runs on a Lisa under MacWorks.

Mac C is a C compiler, or a translation program for software developers that converts high-level program instructions written in the C programming language into a set of binary instructions for direct execution by the Macintosh's microprocessor. It can rapidly compile up to 2,500 program lines per minute on a Macintosh equipped with a hard-disk storage device and 1,600 program lines per minute on a standard Macintosh.

Mac C is also fully integrated with the editor, assembler, debugger, and linker on the Apple Macintosh 68000 Development System. And it can be used on a standard 128K Macintosh, or on a Lisa running MacWorks.

The Mac C compiler allows direct access to more than 450 Macintosh system calls without using "glue routines." This means that all Macintosh features, such as icons, pull-down menus, etc., can be easily integrated into new programs developed by software writers and developers via this software.

Mac C also places particular emphasis on data structures and types allowing bug-free access to the Macintosh's data structure. In addition, it has the ability to include in-line assembly code, which allows direct machine access, and it produces symbols for symbolic debugging. In other words, it can be used to debug programs quickly.

The Mac C Toolkit provides its own unique routines for developing Macintosh software. It offers convenient, high-level C interfaces that allow software developers to access the machine's special features, and it also provides teletype simulation windows that simplify program debugging and porting of existing programs to the Macintosh.

In addition, the Mac C Toolkit provides a complete byte-oriented, asynchronous, buffered I/O system that provides maximum efficiency for accessing a disk so programs will run faster. And it also includes a starter program that implements all the basic user-interface features of the Macintosh, giving a software developer a basis from which to implement his or her own programs.

Available from your dealer or:
Consulair Corporation
140 Campo Dr.
Portola Valley, Calif. 94025
415-851-3849
Retail Prices:
$295 Mac C
$175 Mac C Toolkit
$425 Mac C and Mac C Toolkit
$1,200 Corporate Site License
Release Date: October, 1984

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A diskfull of art spots and a book full of ideas on how to use them. If you like to MacPaint;™ if you know how to take advantage of good ideas to unleash your creativity, Axlon's Art Portfolio is for you. It includes really beautiful art spots, much better than anything else available. And the images are exactly the right size for you to use in your letters and cards. Create-a-Card instructions are included to give you ideas about making your own greeting cards.

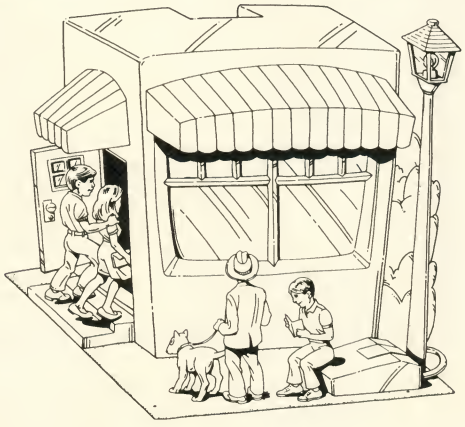


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The Card Shoppe™
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Here's everything you and your MacPaint program need to get into the card-making business.
▶ Special drawings, ranging from the obvious to the obscure.
▶ A complete, exhuberant calendar of holidays and greeting card occasions, if you need one to create a card.
▶ A see-through formatting overlay for your Mac screen that lets you position your art and words before you print, so you know it will fit properly on your card when folded.
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Best of all, The Card Shoppe gives you a ton of creative ideas for your own special cards for your own special purposes.



3hree

MacMatch™
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This is one of the first of a new breed: Native Macintosh games. Our software gamemakers have taken their inspiration from the tv game show, Concentration,™ and have built it on the Mac's quickness and graphics power. When you match two squares, you get clues about the hidden puzzle. It comes with puzzles, but the real beauty is that you can make up your own, as complex or simple as you like. You'll never get bored. And think what party puzzles might look like...

4our

MouseTracks™
$49.95

We put Mac's considerable graphics skills through the loops to develop an eye-popper for Mac's first mouse game. You will zoom an animated mouse through a maze-like environment avoiding a bad kitty cat intent on supper. There are plenty of perils and rewards for the skillful. MouseTracks shows everyone how much fun Macintosh can be.



5ive

Typing Avalanche™
$59.95

Since man does not live on art alone, but by lots of words that flow from the mouth of Mac, we've commissioned the first typing strategy program for the Mac. It's aimed at the poor duck who somehow got through school without learning touch typing. (The rest of us, in other words.) It's fast paced. It's fun. And it works. Play it a while, and you'll suddenly realize you are a touch typist. Someday the schools will catch up.

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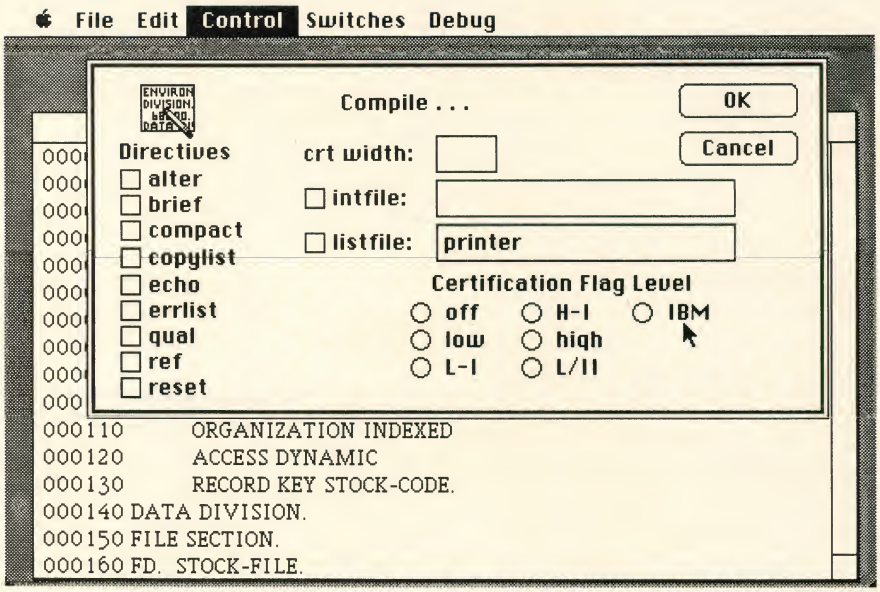
Mac COBOL

Software development

System Requirements: 128K Macintosh; one disk drive.

Mac COBOL is a software-development tool that gives a Macintosh user access to the COBOL programming language, which is a high-level language with English-like statements designed for creating business applications. It comes in two different versions, an entry level and a professional level, the choice of which depends on a user's experience at writing business programs.

The main advantage of Mac COBOL is that it lets a user visually proceed through the software-development cycle. Programs can be created using Mac COBOL's editor and forms-generation facility and tested via its "animation" facility. The animation facility allows a user to watch his or her program execute line by line on screen, perform "what-if" analyses, and set multiple and conditional break points. Mac COBOL will also check or compile syntax. All of these functions can be carried out with great speed.



The professional version of the program compiles down to 68000 machine code, providing even faster development times and execution speed. In addition, Mac COBOL allows application programs to be ported from other micros, minis, or mainframes to the Macintosh, where they can be modified to take advantage of the Macintosh's inherent windowing and graphic capabilities, icons, mouse, and pull-down menus.

Since Mac COBOL incorporates the same features as the COBOL found on many mainframes, it is easy for experienced mainframe programmers who want to develop their own business applications on the Macintosh to use.

Available from your dealer or:
Micro Focus Inc.
2465 E. Bayshore Rd., Suite 400
Palo Alto, Calif. 94303
415-856-4161
Release Date: November, 1984

Mac COBOL is a software-development tool that lets a user write business programs in the COBOL programming language on a Macintosh. It comes in either an entry or professional level, and it can also be used to port applications from other computers over to the Macintosh, where they can then be modified with the complete Macintosh toolkit.

MacFortran

Fortran 77 compiler; translation program

System Requirements: 128K Macintosh; one disk drive.

MacFortran is an implementation of ANSI Fortran 77 that permits a user to run mainframe programs on a microcomputer. Written in 68000 assembler for maximum execution speed, it places no limitations on program code or data size.

In addition, it offers a screen-oriented, source-level symbolic debugger, 32-bit integer operation, and a special feature, VIRTUAL, which allows arrays to be maintained on disk not just in user memory. Additional productivity tools are included to decrease program-development time and increase output.

MacFortran running on Macintosh's 68000 processor allows a Mac to provide an equal or greater performance to alternative products running on other, more expensive microcomputers. Its mainframe capability and user interface make MacFortran suitable for the scientific/engineering and teaching communities.

Structured programming features include subprograms, statement functions, external procedures, block IF constructs, block DO constructs, select-case constructs, and global and local variable declaration.

Options for increased flexibility are "include" files, conditional compilations, compile-to-machine code, compile-to-assembler source, link-at-compile time, and link-dynamically at run-time overlays.

Available from your dealer or:
ABSOFT Corp.
4268 N. Woodward
Royal Oak, Mich. 48072
313-549-7111
Retail Price: $295
Release Date: November, 1984

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PC BASIC Compiler

BASIC compiler

System Requirements: 128K Macintosh; one disk drive.

The PC BASIC Compiler is for programmers interested in developing application software for the Macintosh. It has a syntax that is compatible with BASICA on the IBM PC, but also includes many extensions. The PC BASIC Compiler generates a 68000 assembler file and an EXEC file. The programmer simply runs the EXEC file and it automatically links the program creating an executable object module.

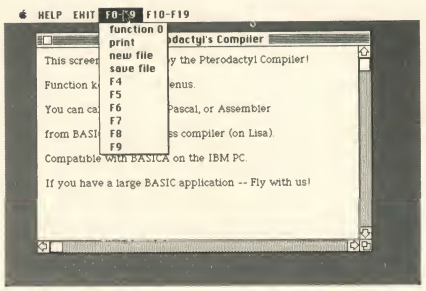
The 68000 assembler allows the user to link to Pascal programs—to call Pascal procedures from BASIC. Since the operating system, Quickdraw, and other Macintosh programs are in Pascal, this feature will prove valuable to the programmer.

It's possible to link one 68000 assembler program to other 68000 assembler programs by simply using the CALL statement and linking in. And the programmer can link to Quickdraw procedures, all of which can be called from BASIC.

Finally, generating 68000 assembler gives the programmer the capability of optimizing the assembler. Each BASIC line shows up as a comment within the assembler output. The assembler uses the same names for variables as the original BASIC program. If the programmer doesn't know anything about assembler he simply runs the EXEC file and the assembler becomes transparent.

The present version 1.0 has many extensions, including MOUSE, four levels of INCLUDE, an EJECT statement, and dynamic program arrays.

Available from your dealer or:
Pterodactyl Software
200 Bolinas Road #27
Fairfax, Calif. 94930
415-485-0714
Retail Prices:
$250 protected, one machine only
$750 run-time license
Release Date: November, 1984



The PC BASIC Compiler allows programmers to develop software applications on the Macintosh. The compiler is compatible—with very few exceptions—to the BASICA compiler for the IBM PC, and many of the IBM version's limitations have been eliminated.

Softworks C

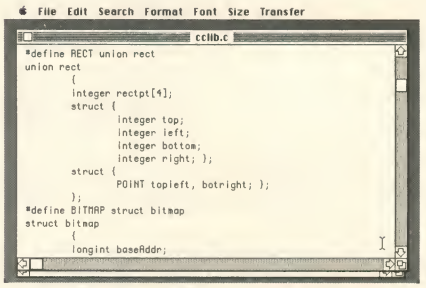
Programming; C compiler

System Requirements: 128K Macintosh; one disk drive.

Softworks C is a fully implemented C language compiler for the Macintosh. It helps make the most of the efficiency and portability of the C language. The program generates optimized assembly language code, and benchmark tests show that Softworks C runs several hundred times faster than BASIC on the Macintosh.

The C programmer can intermix C and assembly language programs and can access the Macintosh's system routines. The Macintosh then becomes a stand-alone, C development system.

The resultant software is maintainable and has the advantage of assembly language programming. The package includes the C language, sample programs, and complete documentation.

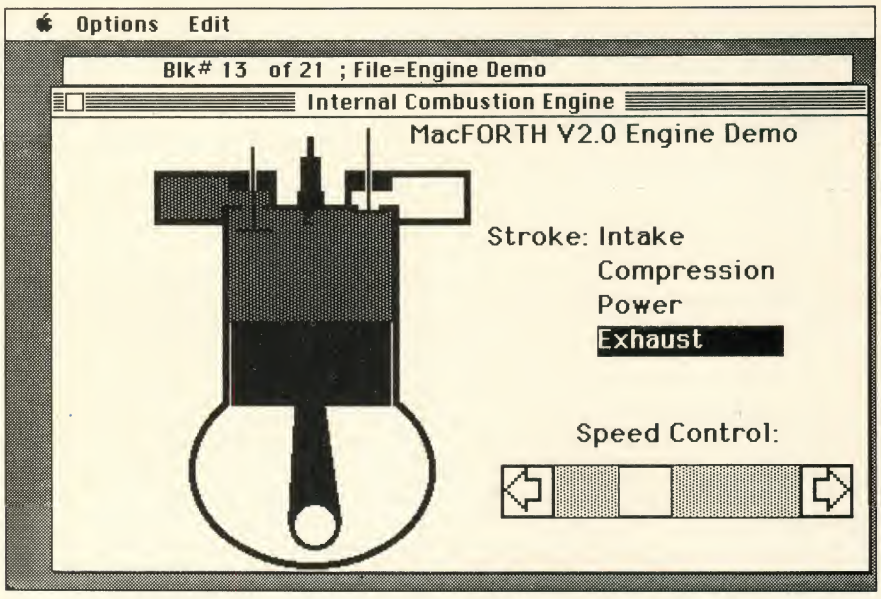


Softworks C is a complete C compiler that turns the Macintosh into a stand-alone, C-language development system.

Available from your dealer or:
Softworks Limited
607 W. Wellington
Chicago, Ill. 60657
312-975-4030
Retail Price: $395
Available now

MacFORTH

Programming language



Level 2 MacFORTH, compatible with the Macintosh user interface, is capable of producing advanced graphics.

System Requirements: 128K Macintosh; one disk drive.

MacFORTH, a 32-bit FORTH system, is an interactive, stand-alone programming language and operating system for both Macintosh and Lisa. MacFORTH uses the power of the user interface and gives the programmer access to the toolbox.

Level 1 has user-defined and controlled menus, graphics, and windows. The program features Macintosh file compatibility and an interactive compiler and interpreter.

Level 2 MacFORTH also includes an assembler, IEEE floating point, advanced graphics, TE edit support, and controls support.

Available from your dealer or:
Creative Solutions
4701 Randolph Road, Suite 12
Rockville, Md. 20852
301-984-0262
Retail Prices:
$149 MacFORTH Level 1
$249 MacFORTH Level 2
Available now

Microsoft BASIC

Programming language

System Requirements: 128K Macintosh; one disk drive.

Microsoft BASIC is a best-selling programming language that has now been adapted specifically for the Macintosh. It was adapted in such a way that the thousands of programs already written in BASIC can be easily transported to the Macintosh.

Rather than dwell on the well-known versatility of Microsoft BASIC, let's look at a few of its new wrinkles thanks to Macintosh. The program has LIST windows that can be used to watch, edit, and debug programs as the programmer views the code and the results of the programming right on the screen. Using the mouse, the programmer can suspend and resume programs during execution.

Because this is the first BASIC written to take advantage of the Macintosh mouse, programs can be written to make the most of it. The programmer can easily read mouse and button positions. And, with Microsoft BASIC's device-independent I/O, I/O can be directed to or from the keyboard, line printer, and Macintosh Clipboard as if they were disk files.

The program also makes use of the high-resolution graphics of the Macintosh. BASIC statements let the programmer set and clear points anywhere on the screen, draw lines, boxes, circles, rectangles, arcs, and ellipses. The Macintosh font manager, cursor control, and Quickdraw routines are also available.

Finally, Microsoft BASIC has all the other features which have made it a staple product on more than two million microcomputers.

Available from your dealer or:
Microsoft Corporation
10700 Northup Way
Bellevue, Wash. 98004
800-426-9400
Retail Price: $150
Available now

Macintosh Pascal

Programming language

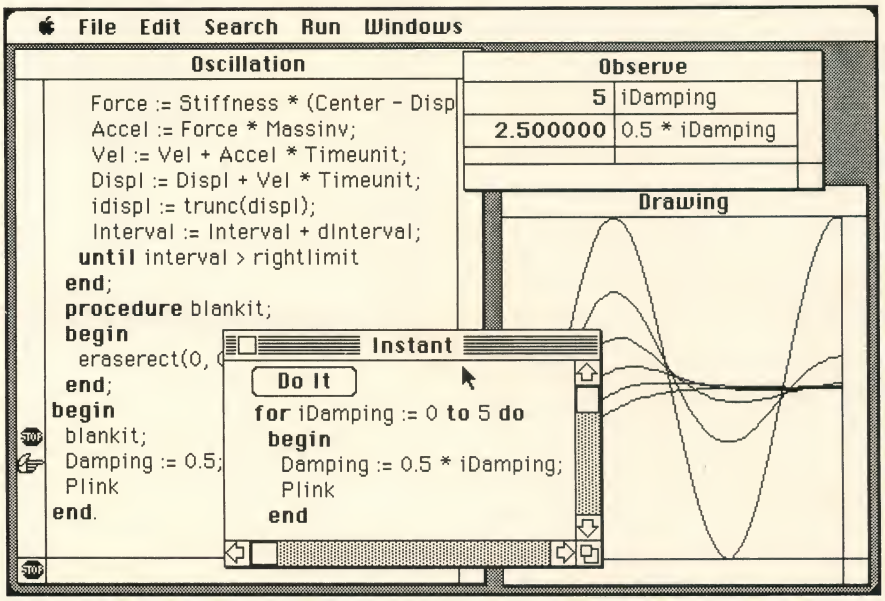
System Requirements: 128K Macintosh; one disk drive.

Macintosh Pascal is an interpretive, interactive programming environment for the Pascal language. Ease of use and advanced debugging features make it an efficient tool for learning and using Pascal.

Standard Macintosh cut-and-paste editing speeds up program construction. Each program line is checked for syntax as it's entered. The program automatically indents lines and puts key words in boldface. These features keep the program free from syntax errors and make it readable as it is being developed.

The program shows as many as five overlapping and adjustable windows at a time, so the program can be watched from all angles as it's being built. While one window displays the program two other windows display the text and drawings it can produce.

There's a moving hand that traces the execution of each program, step by step. The Observe window lets the programmer see the data change through each step, and the Instant window can be used to modify data or experiment with alternative statements as the program is being debugged.



Macintosh Pascal incorporates all Pascal subsystems on a single screen. This allows the programmer to perform running, stepping, filing, editing, and printing operations with only a few mouse moves on the same screen through the various windows.

The snapshot features of Macintosh Pascal are particularly useful in the debugging process. The programmer can run a program one instruction at a time, watching the output appear piece by piece. The program can be stopped at any point while it's running and then resume. The user can watch the values of variables as they change during execution. And finally, the programmer can stop a program in the middle of a run and change the value of a variable before resuming execution.

Macintosh Pascal takes up only 60K to 70K of the available 128K on the standard Macintosh. This is, however, a complete Pascal implementation; nothing is left out. It is very close to Lisa Pascal and is similar to UCSD Pascal—all support strings and random-access files, for example.

The main difference between Macintosh Pascal and UCSD Pascal is the programming environment. UCSD Pascal has two completely separate subsystems the programmer must know—an editor and a file-management and compiling subsystem. In Macintosh Pascal, however, every choice made in editing, running, stepping, finding, and printing can be done on the same screen with one or two mouse moves.

Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $125
Release Date: September, 1984

ADVANCED DEVELOPMENT TOOL KIT

Programming utility

System Requirements: 128K Macintosh; one disk drive.

The ADVANCED DEVELOPMENT TOOL KIT, from SofTech Microsystems, puts an extensive set of utility programs and building blocks in the hands of individuals who use the Apple Macintosh to develop new software. In addition, it is meant to be used in conjunction with other programming languages and aids, such as UCSD Pascal and the FORTRAN-77 DEVELOPMENT SYSTEM, also from the same manufacturer.

Included with the TOOL KIT are several programming aids that help analyze a program during its developmental stages. They can be used to write portions of a new program in 68000 Assembly Language, to help increase program performance, or to access Macintosh routines not supported by other languages.

The complete ADAVNCED DEVELOPMENT TOOL KIT consists of the following components: a 68000 ASSEMBLER AND LINKER, which includes macro and conditional assembly capabilities and allows a user to write routines that access Macintosh routines not supported by other languages; a NATIVE CODE GENERATOR, which is used to translate selected portions of UCSD Pascal or FORTRAN-77 programs from p-Code to 68000 Native Code; a SYMBOLIC DEBUGGER, which can analyze the operation and test the application of all programs; PROGRAM ANALYSIS TOOLS, which assist in product cross-referencing of UCSD Pascal programs and allow a user to modify the internal contents of arbitrary files; and APPLICATION SERVICES INTERFACES, which are used to invoke other programs, manage files, and change system error messages.

Available from your dealer or:
SofTech Microsystems, Inc.
16885 West Bernardo Drive
San Diego, Calif. 92127
619-451-1230
Retail Price: $150
Release Date: September, 1984



Complete Business and Professional Software Programs specially designed for Macintosh™ Computers.
Applied Logic Systems Inc. has Software Packages available for small business and professional office applications. Each program has been designed with the ultimate user in mind.
At the click of the mouse your business and/or office operations are at your fingertips.
"QUEST™" software gets the job done quickly and efficiently.

"QUEST™" software, as "State-of-the-Art" as the Macintosh™ itself.
For further information contact:
APPLIED LOGIC SYSTEMS, INC.
Sales Office
2614 N. 29th Avenue
Phoenix, Arizona 85009
(602) 272-9355

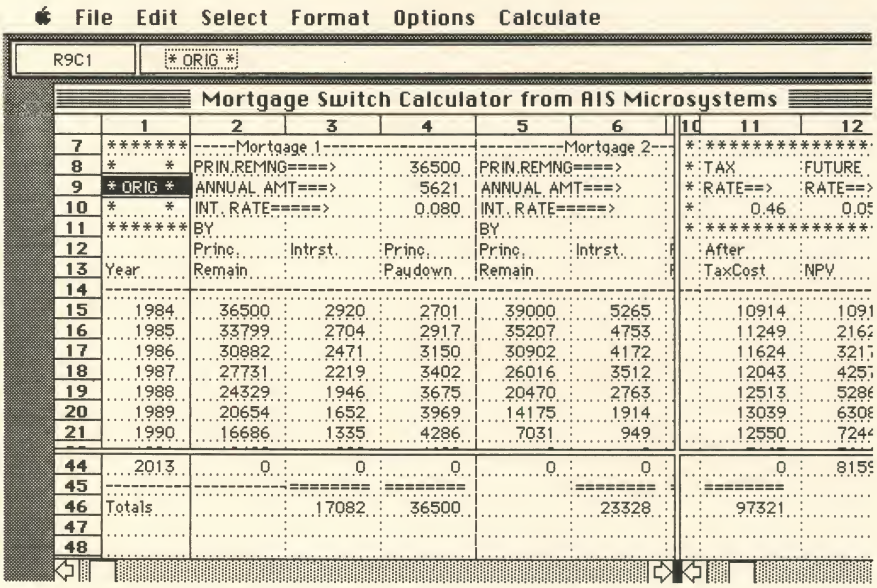
ALS

Circle 25 on Reader Service Card

Mortgage Switch Calculator

Mortgage-rate template for Multiplan

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Microsoft Multiplan. Inclusions: Audio cassette instruction in addition to printed manual.



	1	2	3	4	5	6	10	11	12
7	*******	-----Mortgage 1----------			----------Mortgage 2---		*	**********	
8	* *	PRIN.REMNG====>		36500	PRIN.REMNG====>		*	TAX	FUTURE
9	* ORIG *	ANNUAL AMT===>		5621	ANNUAL AMT===>		*	RATE==>	RATE==>
10	* *	INT. RATE=====>		0.080	INT. RATE=====>		*	0.46	0.05
11	*******	BY			BY		*	**********	
12		Princ.	Intrst.	Princ.	Princ.	Intrst.		After	
13	Year	Remain		Paydown	Remain			TaxCost	NPV
14									
15	1984	36500	2920	2701	39000	5265		10914	1091
16	1985	33799	2704	2917	35207	4753		11249	2162
17	1986	30882	2471	3150	30902	4172		11624	3217
18	1987	27731	2219	3402	26016	3512		12043	4257
19	1988	24329	1946	3675	20470	2763		12513	5286
20	1989	20654	1652	3969	14175	1914		13039	6308
21	1990	16686	1335	4286	7031	949		12550	7244
44	2013	0	0	0	0	0		0	8159
45			========	========		========		========	
46	Totals		17082	36500		23328		97321	
47									
48									

The Mortgage Switch Calculator template works with Multiplan to compare the true cost of keeping your current mortgage structure versus refinancing with a new mortgage. With so many adjustable-rate and other options available, a mortgagee has trouble figuring out which route is the least costly.

The user enters detailed information about the current mortgage, the proposed replacement mortgage, income-tax bracket, inflation rate, investment options, and other financial information. The program then provides detailed information on many levels.

First is a complete amortization schedule for all mortgages being studied. Then it gives an analysis of after-tax costs for all options, a running total of net present value, payback differences, investment return on excess principal, and more.

The user's manual explains how to interpret the program's output. For example, the information provided may show that it pays to refinance a current, 30-year mortgage if the user plans to own the home for between 10 and 15 years, but not if he plans to stay for the entire mortgage term.

Or perhaps the bank promises to save him $100,000 or more by rescheduling a mortgage and paying it off more quickly. The Mortgage Switch Calculator can evaluate the true value of the savings—after tax, inflation, and other factors. It could be that the mortgagee could *lose* money by rescheduling.

The Mortgage Switch Calculator can be used by individuals as well as by mortgage professionals.

Available from your dealer or:
AIS MICROSYSTEMS
1007 Massachusetts Ave. NE
Washington, D.C. 20002
202-547-9113
Retail Price: $65
Release Date: August, 1984

The Mortgage Switch Calculator is a financial-analysis program used to determine the full effect of refinancing real estate mortgages. It takes into consideration the mortgagee's complete financial situation—tax bracket, investment options, inflation, etc.

The Professional Bibliographic System

Data base; bibliographic

System Requirements: 128K Macintosh; one disk drive.

The Professional Bibliographic System is designed to help users compile bibliographies and use citations.

The system features 20 different document types that a user may choose to cite from. Based on the document type selected, a menu will appear on screen that allows the user to fill in the blanks with all pertinent bibliographic data. Index terms may be assigned to each citation for later retrieval, and all fields are optional and of variable length.

DaVinci Series and Commercial Interiors

Architecture; commercial design

System Requirements: 128K Macintosh; one disk drive; MacPaint.

The DaVinci Series and Commercial Interiors are two separate product lines that both enhance and expand MacPaint.

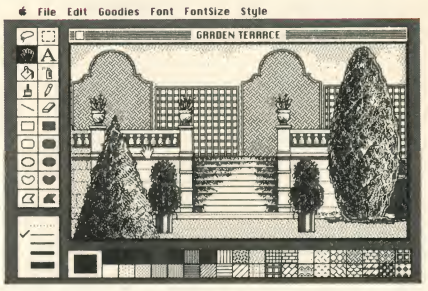
Within the DaVinci Series are three packages: BUILDINGS, LANDSCAPES, and INTERIORS. Each package is a series of MacPaint documents filled with several hundred images drawn to scale by artists and architects. Images may be rescaled larger or smaller, stretched, flipped, inverted, or otherwise manipulated by MacPaint in order to produce professional-quality artwork.

Entire building projects can be planned from the interior to exterior by professionals. Even amateurs may use the software to conceive their "dreamhouse." Using BUILDINGS, everything from an ornate estate to a simple cottage may be designed. The room and furniture layout can be drawn with INTERIORS. And the grounds can be layed out with LANDSCAPES. All three DaVinci components were designed by a professional artist, sculptor, and print maker.

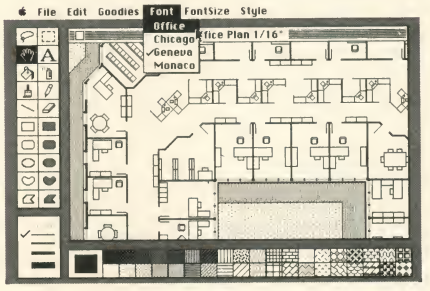
Commercial Interiors is for the commercial interior designer, architect, or executive who needs to make the most effective use of available business space. Complete layouts may be drawn and then manipulated much as a writer adjusts text in word processing. The final drawing may then be printed. Many possible arrangements are possible, including placement of office equipment, workstations, file cabinets, modular partitions, and tables.

Arrangements can be created and changed in minutes with Commercial Interiors. Moreover, everything is drawn to scale. As with the DaVinci Series, MacPaint is required.

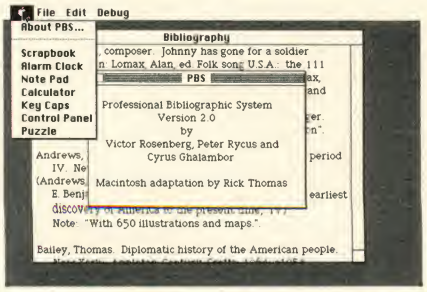
Available from your dealer or:
Hayden Software
600 Suffolk Street
Lowell, Mass. 01853
800-343-1218
Retail Price:
$49.95 Each DaVinci Series module
$199.95 Commercial Interiors
Available now—DaVinci Series
Release Date—October, 1984 Commercial Interiors



LANDSCAPES, one of three modules in the DaVinci series, designed the garden terrace above.



Commercial Interiors draws office plans to scale. This layout for workstations makes the best use of available space.



The Professional Bibliographic System contains 20 document types that can be selected for fill-in-the-blanks data entry.

The system supports extended character sets for foreign data entry; provides optional output to printer, screen, or disk; and allows a user to define the bibliographic format for output. In addition, The Professional Bibliographic System is fully integrated with Macintosh word processing and graphics packages, and it will also be available for use on the Lisa computer.

Although The Professional Bibliographic System is sold as a stand-alone system, users can purchase several Biblio-Link companion programs that download records from on-line bibliographic utilities and merge them with manually input records. OCLC, RLIN, and data bases available from DIALOG are currently supported by these additional programs.

In short, the Biblio-Link companion programs provide a connection between mainframes and any Macintosh running the software. Once records have been downloaded, The Professional Bibliographic System can then be used to sort and reformat the data received.

Available from your dealer or:
Personal Bibliographic Software, Inc.
P. O. Box 4250
Ann Arbor, Mich. 48106
313-996-1580
Retail Prices:
$395 Professional Bibliographic System
$200 Biblio-Link
Release Date: November, 1984

Electronic PAD

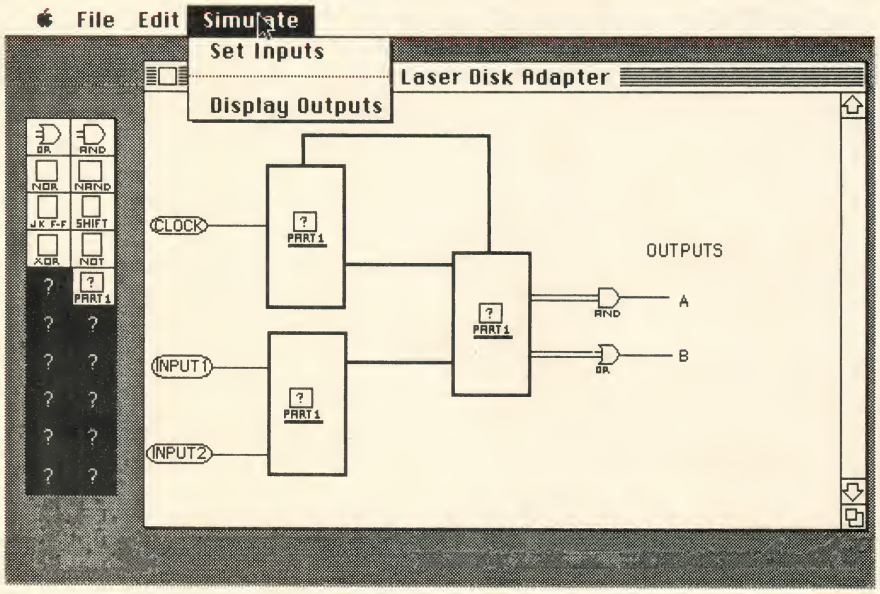
Electronic circuit design

System Requirements: 128K Macintosh; one disk drive.

The Electronic PAD is a program that puts the capabilities of professional circuit design and simulation on the desktop of anyone who owns a Macintosh.

PAD stands for People-Assisting Design, which means the user can select components from a "palette" and place them in any position on the screen. The user then connects the parts to form the desired circuit. If the design requires a logic function not available on the palette the user can design and define his own. The program allows labeling of parts, placing comments within the diagram, and producing a quality schematic for printing or storage on disk.

Once drawn, a circuit can be analyzed and debugged—right on the Macintosh screen. Menus provide access to other windows that allow the user to set inputs to their circuits and watch the resulting outputs. These waveforms can also be labeled, printed, and stored on disk.



The Electronic PAD is a circuitry design and simulation program aimed at both professional and hobbyist electronics designers. Circuits are built by choosing components and moving them into position, and the finished circuit can then be tested on screen.

The PAD makes use of the Macintosh's cut-and-paste feature, allowing full transfer of data between PAD and other functions, and will run under the MacWorks environment on the Lisa. The software is designed to make full use of future upgrades to the Macintosh, such as increased memory, hard disks, and color peripherals.

The Electronic PAD is designed to take the place of the calculator and paper and pencil on the workbenches of those who work and play with electronic hardware.

Available from your dealer or:
Rune Enterprises
P.O. Box 971
Pacifica, Calif. 94044
415-355-4848
Retail Price: $395
Release Date: October, 1984

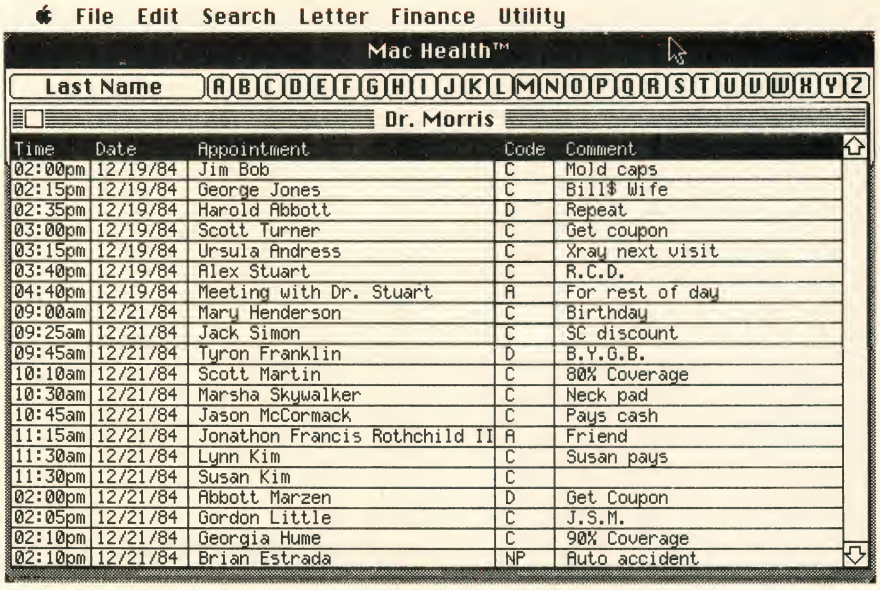
Mac Health

Medical-office management

System Requirements: 512K Macintosh; two disk drives; printer. Numeric keypad recommended; hard-disk storage desirable for large practices.

Mac Health is an office-management program for all medical professions—medical doctors, dentists, veterinarians, chiropractors, etc. The system is made up of four modules to be released over the next 12 months.

First to be released in 1984 is the appointment and accounts-receivable posting module. This fully automatic system is designed to greatly reduce the work load of office personnel and increase day-to-day efficiency.



Time	Date	Appointment	Code	Comment
02:00pm	12/19/84	Jim Bob	C	Mold caps
02:15pm	12/19/84	George Jones	C	Bill$ Wife
02:35pm	12/19/84	Harold Abbott	D	Repeat
03:00pm	12/19/84	Scott Turner	C	Get coupon
03:15pm	12/19/84	Ursula Andress	C	Xray next visit
03:40pm	12/19/84	Alex Stuart	C	R.C.D.
04:40pm	12/19/84	Meeting with Dr. Stuart	A	For rest of day
09:00am	12/21/84	Mary Henderson	C	Birthday
09:25am	12/21/84	Jack Simon	C	SC discount
09:45am	12/21/84	Tyron Franklin	D	B.Y.G.B.
10:10am	12/21/84	Scott Martin	C	80% Coverage
10:30am	12/21/84	Marsha Skywalker	C	Neck pad
10:45am	12/21/84	Jason McCormack	C	Pays cash
11:15am	12/21/84	Jonathon Francis Rothchild II	A	Friend
11:30am	12/21/84	Lynn Kim	C	Susan pays
11:30pm	12/21/84	Susan Kim	C	
02:00pm	12/21/84	Abbott Marzen	D	Get Coupon
02:05pm	12/21/84	Gordon Little	C	J.S.M.
02:10pm	12/21/84	Georgia Hume	C	90% Coverage
02:10pm	12/21/84	Brian Estrada	NP	Auto accident

The first module of Mac Health will include a powerful appointment function along with accounts-receivable posting. This is designed to reduce the day-to-day crush in most medical offices.

The second module will be a billing system that will not only handle personal billings, but will also automatically fill out insurance forms, welfare-agency reports, and the like. It will handle specialized forms as well as standard forms.

The third module will be for correspondence, labels, mail merging, and automatic generation of narrative reports. And the fourth module will be an accounting and financial-management package—general ledger, payroll, accounts receivable and payable, spreadsheet, and more.

Available from your dealer or:
Cortland Software
3231 Rucker Avenue
Everett, Wash. 98201
206-252-3127
Release Date: November, 1984—First module

TessSystem One

Medical-office management: accounts receivable and appointments

Inclusions: 128K Macintosh with one disk drive; 10 to 40-megabyte hard disk; printer; data backup device; software.

TessSystem One is an accounts-receivable and appointment system for medical offices. The program is designed to make training easy for even temporary help by making maximum use of the Macintosh user interface.

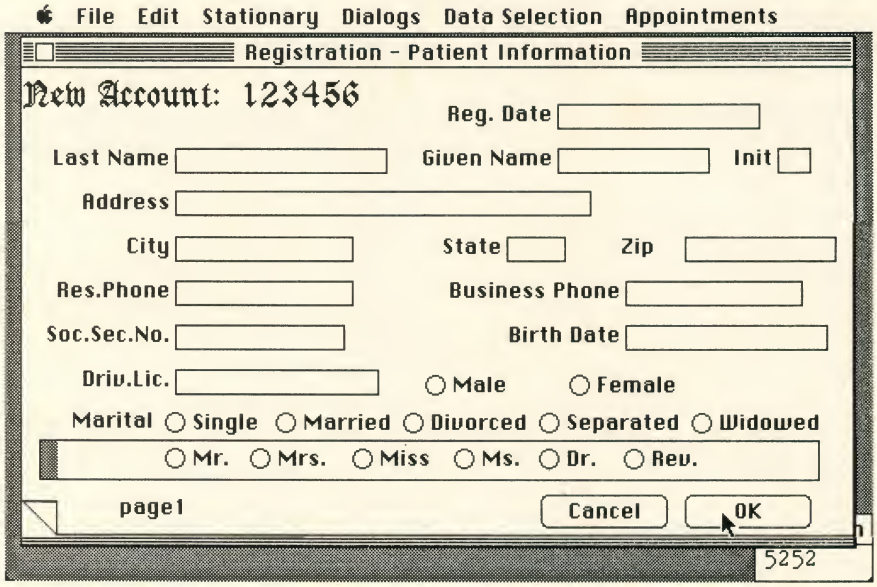
Most of the screens emulate the kind of manual, data-entry systems now in use in doctors' offices. This allows the office staff to adapt quickly to the computer.

Patient registration is done through logically organized pages. The entered data can be freely edited using the mouse and the Macintosh's cut-and-paste capability. Daily transactions entry is simplified by using the mouse to select entries from the doctor's own procecure and diagnosis lists.

Documents, such as receipts, can be printed at the time of data entry. The form on the screen looks very much like the manual forms most offices use. Patient statements can be printed and mailed anytime. Insurance forms can be printed in batch mode or one at a time using standard AMA, Medicare and Medicaid forms.

The appointment system covers a two-year period. The month-at-a-glance window not only allows quick movements through the entire appointment book but also displays the number of new versus established patients booked for each day.

Business meetings, scientific meetings, flight reservations, half-day schedules, and vacations are shown in symbolic form. And the day-at-a-glance window shows appointments in greater detail.



Here is just one of the many graphic and easily understood screens in TessSystem One. The registration form ought to be familiar to most medical offices.

Available from your dealer or:
Data Systems, Inc.
810 Peakwood Drive, Suite 107
Houston, Tex. 77090
713-440-6943
Release Date: October, 1984

CRTplus

Financial-analysis tool

System Requirements: 128K Macintosh; one disk drive.

CRTplus, which runs on both Macintosh and Lisa, helps explain financial products and services to financial shoppers. In addition, it can perform over 20 financial calculations, including certificate-of-deposit early withdrawl analysis, individual-retirement-account growth analysis, installment-loan alternatives, other loan alternatives, and amortization, investment analysis, and interest-rate calculations.

Any of the program's calculations can be used at the same time, including calculations of the same type. "What-if" analyses can be performed by transferring information directly from one calculation to another copy of the same calculation, changing a key value or assumption, and observing the effects of that change. Or simply, each calculation can be used—via mouse—as a building block in a series of calculation steps by moving input values and results from one step to the next.

CRTplus provides a reference window or Bulletin Board as a convenient place to post marketing messages, reminders, changes in products or services, or any text that may be of assistance to users of the package. The Bulletin Board is dis-

MACFATS Storyboarder

Creative planning

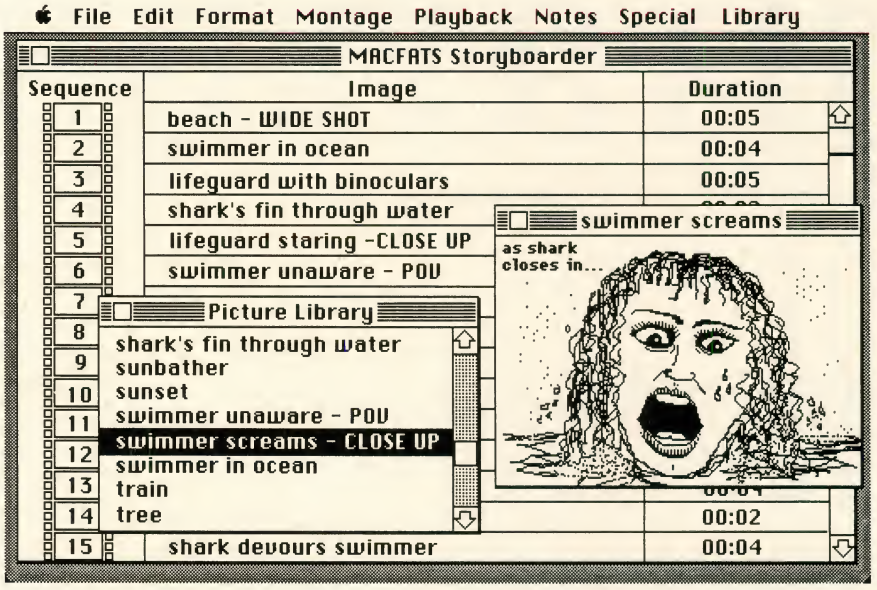
System Requirements: 128K Macintosh; one disk drive.

The MACFATS Storyboarder is designed to be a creative, planning, and budgeting tool for the film, advertising, and television industries.

Storyboarder allows users to dramatize ideas into a dynamic montage. Selected images can be aspect-ratio formatted, assembled sequentially, edited, time coded, and played back for review.

Many frames can be displayed on a single screen. Images can even be animated, like moving a shark's fin across the surface of the water. Script notes can be viewed for dialogue and production details.

The program makes extensive use of Macintosh features, interfaces with MacPaint and MacDraw, and operates in conjunction with an easily customized Image Library that is available separately.



Available from your dealer or:
American Intelliware Corporation
330 Washington Street
Marina Del Rey, Calif. 90292
213-827-0803
Retail Price: $395
Release Date: October, 1984

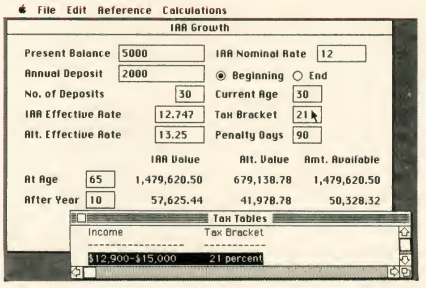
The MACFATS Storyboarder helps professionals in the film, advertising, and television industries in planning, designing story boards, and budgeting. The program uses Macintosh graphics and other capabilities to make the process visual and versatile.

played automatically by the program at start-up, and it may be kept in place or stored away and recalled for later use.

The program also provides a way to record customer name and address information for later reference and for personalizing printed copy. And it can produce a reference screen for holding tables of tax information to assist in calculations as needed. Information contained in these tax tables can be transferred to any calculation without interrupting work in progress.

CRTplus comes with a built-in reference manual and help system. Information about any operation or calculation can be displayed without interrupting current activity. The program is also capable of transferring output to any other Macintosh application that accepts standard Macintosh files. And printed output from a calculation may be produced at any time.

Available from your dealer or:
Aurora Systems, Inc.
2423 American Lane
Madison, Wis. 53704
608-249-5875
Release Date: September, 1984



CRTplus helps explain the benefits of goods and services to customers of financial institutions. One possible use would be to track and display the proposed benefits of opening an IRA account, along with relevant tax information.

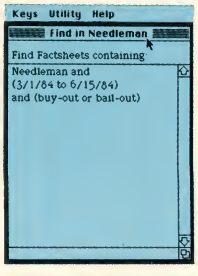
How to find a needle in a haystack.



Introducing Factfinder.

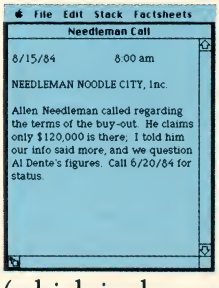
Now you can put your life in order, instantly, with one finger. All the inspired thoughts that would otherwise be lost. Names, dates, appointments, promises, lists, formulas, abstracts, references, notes.

Factfinder is a kind of electronic "desk-drawer" where you can just toss information without worrying about how it should be arranged or how you might want to use it. If it's something—anything—you want to refer to again, you just put it in. Factfinder makes it incredibly easy to enter information. There are no fields to define, no formats to set up.



Then, when you need to find all the clients you have who hate olives or live in Denver; when you want to collect your notes on pasta merchandising; when you need the name and number of that guy who's looking for leveraged buyouts, it's yours in a few seconds, at your index fingertip.

Let's say you've had a significant breakthrough on your project. (Or case, or campaign, or analysis.) You click Factfinder on, jot down the essentials on our electronic equivalent of a notepad (which is always right where you want it and never runs out of paper or gets runny because somebody put coffee on it).



When you've finished keying in your notes on the Needleman Plan (or Needleman vs. Nardoff or the Needleman Noodles campaign) in any length you want, you click the mouse on a few key words—"fallout," "bail-out," "roll-out," leveraged buyout," "March 14," whatever.

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Needleman

Then, any of those words or even part of those words will bring you a stack of any notes you've made that include "Needleman," or "leveraged buyouts," "national rollouts" or miracle "bail-outs." Or you can request Factfinder to get you the Factsheet that contains "Needleman" *and* "bail-out" *and* "March 14." Or you can ask for anything that mentions "bail-out" or "Needleman."

And Factfinder has all kinds of features like zoom and automatic wrap and things to help you manipulate the heck out of your data, and make it whatever size and shape you want.

Contact your Macintosh™ software dealer for a demonstration, or call 1 800 MACWARE to find out where you can get Factfinder in your area. From Forethought, Inc.



MACWARE™

Circle 26 on Reader Service Card

Multiplan

Spreadsheet; financial analysis

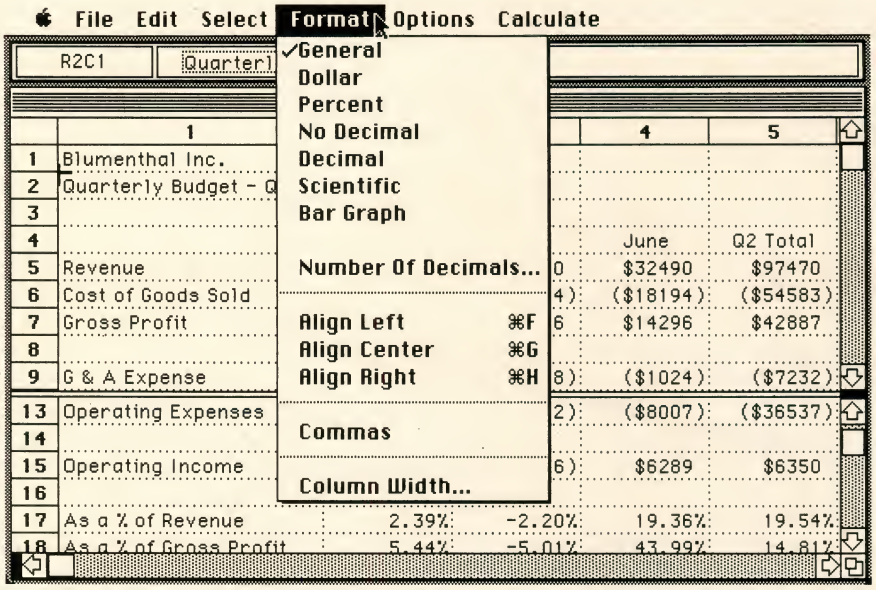
System Requirements: 128K Macintosh; one disk drive.

Multiplan is an electronic spreadsheet, or worksheet, that was designed specifically to use the full capabilities of the Macintosh to make working with numbers easier than ever. The user sets up the worksheet on the computer in rows and columns just like it would be set up in a ledger book.

Unlike many other spreadsheet programs, Multiplan lets the user set up formulas using words instead of symbols. For example, a typical Multiplan formula might be PROFIT=SALES-COSTS. In some other spreadsheets, numbers have to be identified by row and column numbers—(A3:X4)-(A4:X4).

Multiplan also has a linking feature that allows the user to create a series of worksheets that share information. For example, separate sheets can be created for regional sales forecasts and linked to the total company forecast summary. Then a change in the growth rate of one region, for instance, will automatically affect the summary totals.

The Macintosh itself allows Multiplan to do things it couldn't do before. It operates at twice its previous calculation speed thanks to the Macintosh's added computing power. Scrolling to some off-screen part of the worksheet is faster than ever. Pull-down menus expand the options available and the mouse makes selection simple. If the user wants to widen a column all he does is take the mouse, grab the column bar, and pull it out to the width he wants.



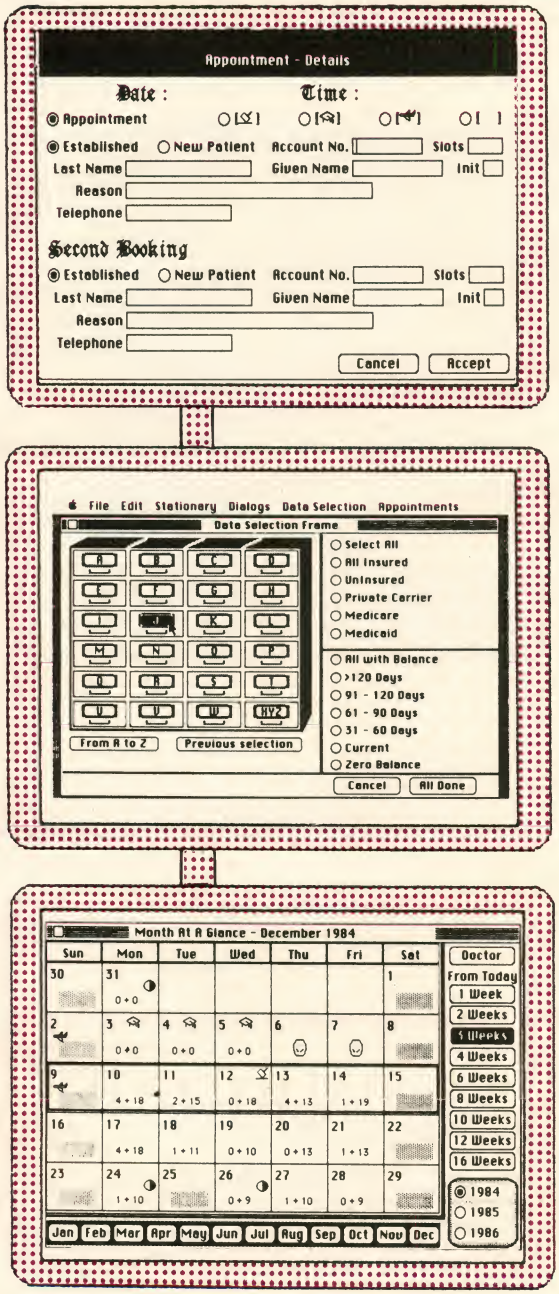
The Multiplan spreadsheet looks much like other, similar programs until the user begins clicking around with the Macintosh mouse. Here the format menu shows how easy it is to change column alignment, make a bar graph, or choose other format options.

Multiplan is totally integrated through the Macintosh Clipboard with other Microsoft programs for the Macintosh: WORD, CHART, and BASIC. These Macintosh features and others promise to expand the use of spreadsheets into areas such as household budgeting where previous programs on other computers were intimidating or too complex for typical home users.

Available from your dealer or:
Microsoft Corporation
10700 Northup Way
Bellevue, Wash. 98004
800-426-9400
Retail Price: $195
Available now

MEDICAL SOFTWARE FOR MACINTOSH

TessSystem One



TessSystem One is our single-user system designed specifically for the medical office to provide accounts receivable management, insurance reporting, and appointment scheduling at a reasonable cost.

TessSystem One can accomodate up to 32,000 patient records**. It is designed to run on a Macintosh with an attached hard disk (minimum 10MB) or on a Lisa in the Macworks environment.

The program reduces the time and effort involved in preparing patient bills and statements. Helps improve the collections and cash flow by identifying past due accounts easily and quickly. You can search your Data with great ease to produce Practice Analysis Reports.

It allows you to create your own Procedure and Diagnosis Dictionaries so that the actual data entry can be accomplished by the use of the mouse.

The Patient appointment scheduling is efficient and accomplished in seconds. Allows you to see an entire month's workload of new and established patients, educational and business meetings, halfdays, holidays, special occasions, flight reservations and vacation time.

TessSystem One can help you to give a better patient service while streamlining your accounts management. See a demonstration at your local dealer or write for information to:

** The actual number of patients depends upon the hardware configuration and storage capacity.

TESS DATA SYSTEMS INC.

Macintosh and Lisa are Trademarks of Apple Computer Inc.
TessSystem One is the Trademark of Tess Data Systems Inc.

810 Peakwood Drive, Ste. 107
Houston, Texas 77090
(713) 440-6943

Circle 27 on Reader Service Card

MacCoach

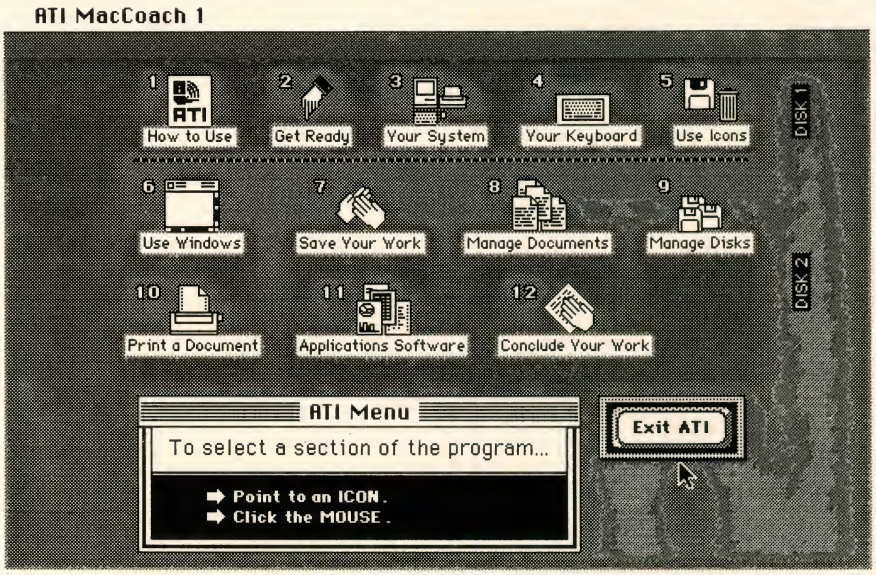
Tutorial; training

System Requirements: 128K Macintosh; one disk drive.

MacCoach is an interactive tutorial intended to show new owners of the Macintosh how to use their machines. In about one hour the student will have gone through several exercises and tutorials and will have a basic understanding of Macintosh operations.

The program allows the student to choose from a menu of 12 lessons, including one on how to use the ATI program itself. The other lessons begin with setting up and understanding the system components, using the keyboard and the mouse, using icons, saving work, using windows, managing documents and disks, printing, and more.

During the course the student is prompted to use the various components to accomplish certain tasks, while a window on the screen gives a written explanation of what's happening. The course is useful for teaching basic system skills.



Available from your dealer or:
American Training International
12638 Beatrice Street
Los Angeles, Calif. 90066
213-823-1129
Retail Price: $75
Available now

MacCoach teaches the new Macintosh owner how to use the system. The student can choose from any one of 12 interactive lessons and can review any of them at any time.

Typing Tutor III

Typing instruction

System Requirements: 128K Macintosh; one disk drive.

Typing Tutor III is a typing-instruction software program for the Macintosh. It is made up of a series of typing lessons and tests that are continually adjusted to match a user's current proficiency level.

The program works by tracking the time it takes a user to type each letter in a lesson or exercise. It then uses this information to create additional lessons and exercises. This process, called Time Response Monitoring or TM, keeps a user from becoming bored by the constant process of repeating patterns he or she may have already mastered.

Help screens are available throughout the program as is the ability to access pull-down menus, which is unique to the Macintosh. In addition, the program produces graphs and a "thermometer," with the aid of the computer's graphic capabilities, that clearly illustrate a user's progress.

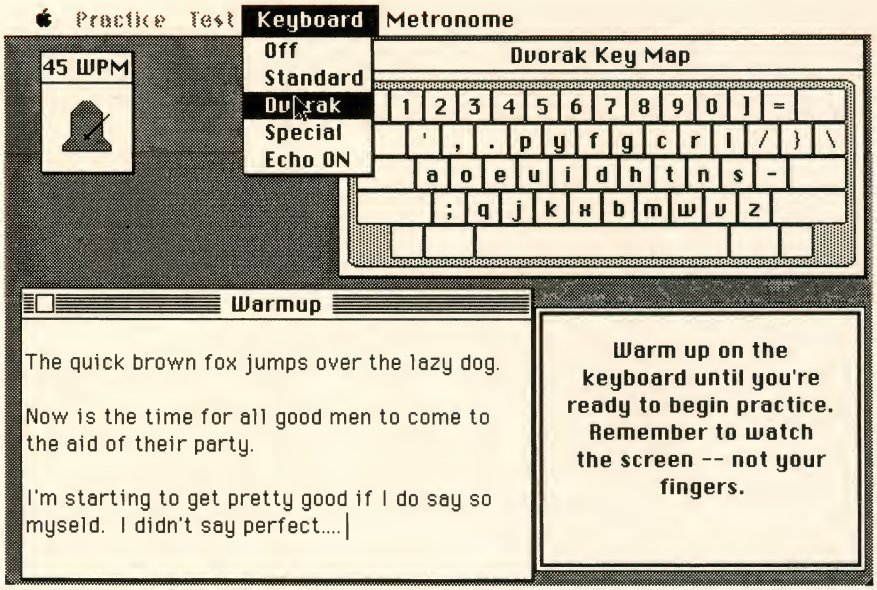
Available from your dealer or:
Simon & Schuster, Inc.
Computer Software Division
1230 Avenue of the Americas
New York City, N.Y. 10020
212-245-6400
Retail Price: $49.95
Release Date: September, 1984

Typing Tutor III for the Macintosh is a software instructional tool designed to increase typing efficiency. It is composed of a series of lessons that are constantly adjusted to match a user's proficiency level, which can be displayed on a "thermometer" or a graph in a Macintosh window.

MacType

Typing instruction

System Requirements: 128K Macintosh; one disk drive. Inclusions: Built-in metronome.



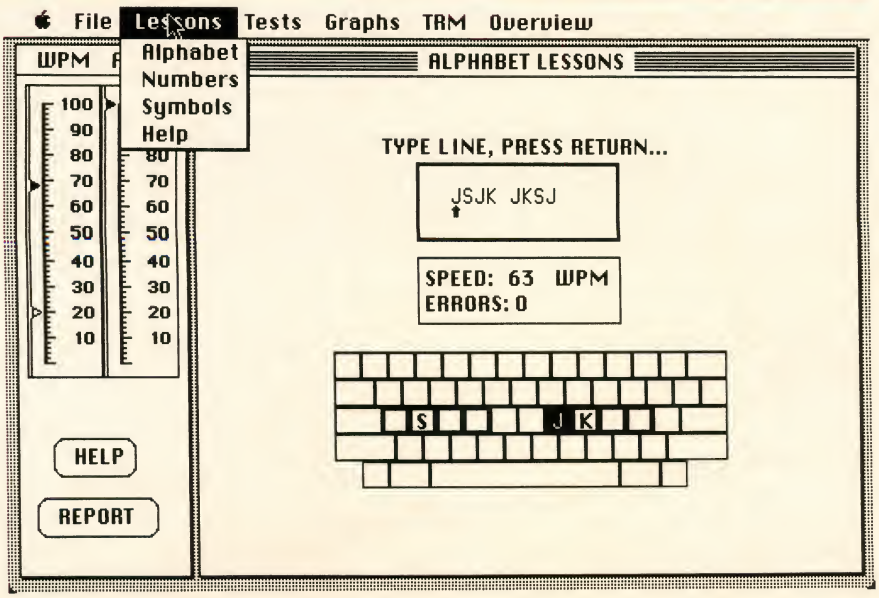
MacType is a complete touch-typing tutorial program for the Macintosh. The program teaches typing to students, home users, and those in business by combining old-fashioned techniques with Macintosh graphic technology. While a user is learning the location of the keys on the keyboard, a usual first step in any instructional program, a responding on-screen keyboard is being displayed by the computer that encourages a user not to peek at his or her fingers.

MacType can detect whether or not a person is having trouble with a particular finger position or key combination, and it will then select drills accordingly until confidence is built up. The program does not critique a user's speed and accuracy until a user is comfortable with the basic keyboard.

A user types real words and phrases during the duration of a training session, not randomly jumbled letter sequences. A built-in metronome sets a steady beat at a user's typing speed to help develop consistency.

In addition, the program lets a user train on either the standard or the Dvorak keyboard, or learn the Macintosh Option-Key Greek and special characters by touch. The program can even skip the automatic lesson plan and drill any user who just wants to brush up on technique.

MacType is a true touch-typing instructor. It's not an arcade game or a simple speed-drill generator. The program combines time-honored teaching techniques, like a built-in metronome and actual practice typing real words and phrases.



Available from your dealer or:
Palantir Software
7701 Wilshire Place, Suite 110
Houston, Texas 77040
800-368-3797
Retail Price: $49.95
Release Date: September, 1984

The Master

BASIC programming instruction

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Microsoft BASIC. Inclusions: Manual with exercises; help screens.

The Master is a four-diskette tutorial series that teaches BASIC programming to interested Macintosh owners who want to increase their knowledge and use of the machine.

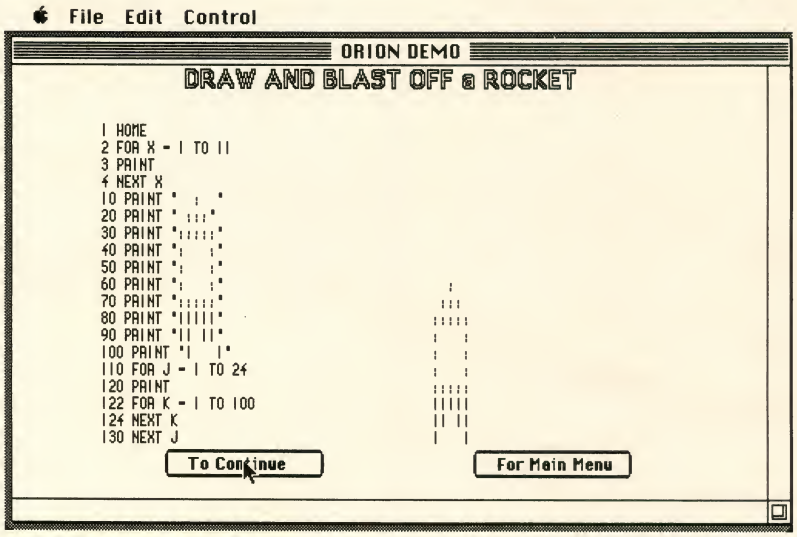
The Master is a self-contained course in the BASIC computer language that does not require any additional paraphernalia, such as a tape recorder. A user controls the pace of the program and may exit it at any point simply by clicking the Macintosh's mouse, a device that is used heavily throughout the course.

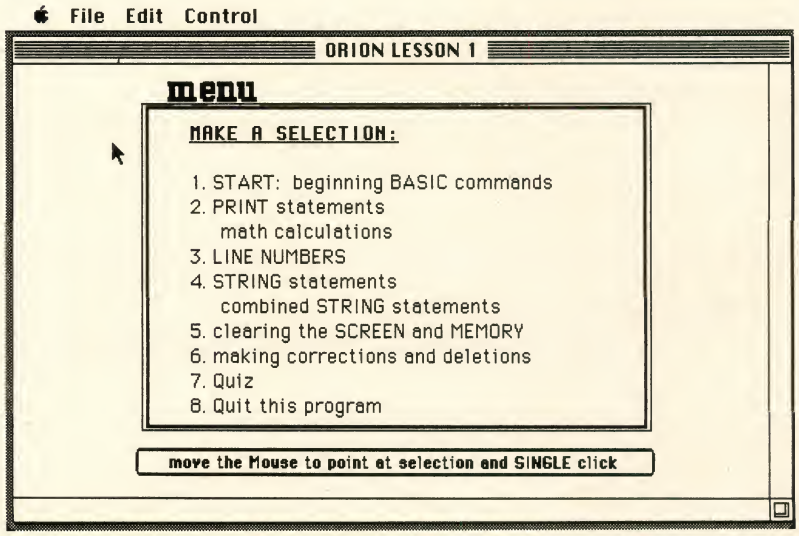
The Master contains help screens that provide assistance at any point during an exercise, and lessons are broken down into learning modules that allow a user to electronically "page" through the entire program. Each lesson also contains a quiz that is automatically scored by the Macintosh. Results are then evaluated by the software, and a user is advised of his or her progress and the need for additional study, if applicable.

The Master can even be used by retailers as a sales tool, since it allows users who are unfamiliar with the Macintosh to begin operating the machine in a practical way with little or no assistance.

Microsoft BASIC is the only requirement for using The Master on the Macintosh. It is also available in versions for the Apple II and IIe and the Commodore 64.

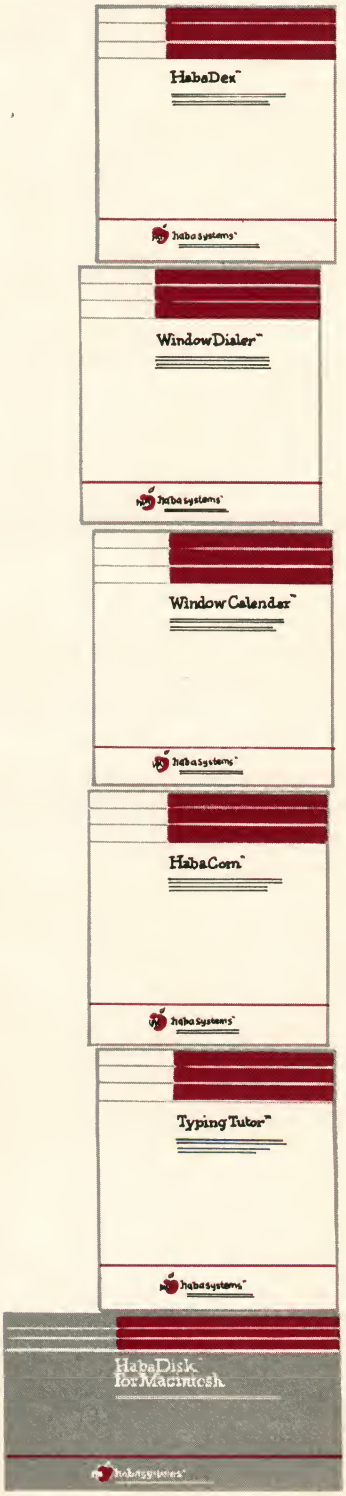
Available from your dealer or:
Orion Training Systems
P.O. Box 94
Dallastown, Pa. 17313
717-757-7721
Retail Price: $99.95
Available now





Using The Master—An Introduction to BASIC Programming on the Macintosh can be an enjoyable learning experience for any user, regardless the level of computer sophistication. Besides learning practical BASIC applications, the program includes such things as learning to draw and blast off a rocket!

MacMost.



Nobody has more ways for you to get the most out of your Macintosh™ than Haba Systems.

Habadex.™ The ultimate desktop management software puts your address and phone directory, appointment calendar and things-to-do list right into your Mac—so you can put your conventional ones back in the drawer.

HabaCom.™ Communications software program that lets your Mac talk to other Macs or remote computers, and lets you link up with services like The Source,℠ CompuServe,™ Dow Jones,™ and others.

HabaDisk.™ 3.5″ external drive that expands your Mac's power and flexibility by increasing speed and doubling storage capacity. Run two programs at the same time, or use separate drives for programs and data.

WindowDialer.™ Lets you display a window of approximately 200 names and phone numbers, quickly find a specific number, and automatically dial the call—without leaving the program you're currently running.

WindowCalendar.™ Lets you display a window of appointments and scheduling, scroll forward or backward, a day, week or month at a time, and add, change or delete information—without leaving the program you're currently running.

Mac Typing Tutor.™ Teaches the elementary steps of learning how to type. Quickly. Simply. Easily. Just like Typing 101 in high school.

Now you don't have to run all over town to find the most for your Mac. Haba Systems has everything you need. Just contact your local Apple dealer for all the details.

hsi

haba systems

Making Apples more tempting than ever.™

Haba Systems, Inc., 15154 Stagg Street, Van Nuys, California 91405-1025 • (818) 989-5822

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Haba Systems products for Macintosh will be available 4th Quarter 1984. © 1984 Haba Systems, Inc.

Circle 28 on Reader Service Card

PFS:REPORT

Report organizer

System Requirements: 128K Macintosh; one disk drive (second drive recommended for large files).

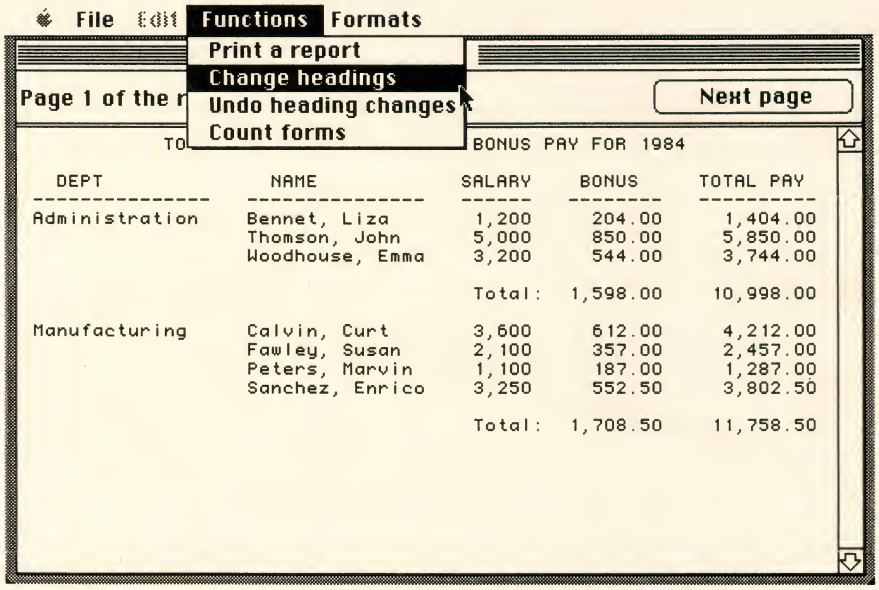
With PFS:REPORT it becomes easy to organize information into concise, meaningful columnar reports that show the "bottom line." This allows managers to make more informed decisions and to convey useful information to others in the organization.

The user specifies the information to be tallied from PFS files, and the program does the rest. Data is automatically sorted and subsorted alphabetically or numerically, with designated totals, averages, and counts. The program can also do additional calculations based on formulas developed by the user.

All information can be summarized in columns for a quick overview, or specific items can be called out for detailed analytical reports. The program will automatically format the reports with centered titles, correct decimal-point alignment, column-width adjustments, headings, and optional page numbering.

PFS:REPORT can be used to print things such as out-of-stock inventory reports, price lists, payroll analyses, and sales projections. It will store up to eight frequently used report formats for instant use.

Available from your dealer or:
Software Publishing Corporation
1901 Landings Drive
Mountain View, Calif. 94043
415-962-0191
Retail Prices:
$125 PFS:REPORT
$195 PFS:REPORT/PFS:FILE bundle
Available now



PFS:REPORT allows all or specific information from PFS files to be organized into custom reports. The program will total, sort, arrange, figure averages, count items, and do any calculations specified by the user in formatting the desired reports.

MacNotes

Letter-writing utility

System Requirements: 128K Macintosh; one disk drive. Inclusions: 100 letters on two flexidisks.

MacNotes is a software program for the Macintosh that takes some of the trauma out of letter writing for business and personal users who don't have either the time or the patience to sit down and write letters. It's a collection of 100 ready-made letters, on two separate flexidisks, that are suitable for any occasion.

The only real work a user has to do to compose a letter with this program is enter an inside address and fill in the appropriate blanks contained in the body of each letter. That's in addition to clicking the Macintosh's mouse a few times.

As for the quality of the letters contained in MacNotes, each letter has been prepared by copy writers and business people with a working knowledge of what's appropriate in a given situation. And each letter is written in a suitable style, befitting the occasion in question.

The complete list of letter categories in the MacNotes program includes acknowledgements, announcements, apologies, appointments, appreciation, claims and adjustments, condolences and regrets, congratulations, credit, follow-up, fund drives, holiday greetings, inquiries in either request or reply form, interviews, in-

Paint Mover

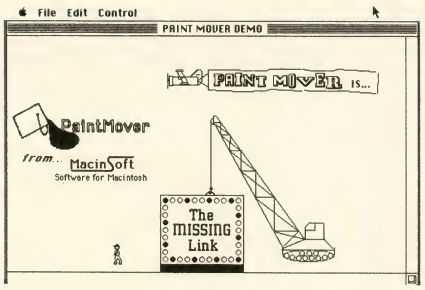
MacPaint-to-Basic utility

System Requirements: 128K Macintosh; one disk drive; MacPaint; Microsoft Basic.

Paint Mover is a utility that allows a user to convert a MacPaint file into a data file compatible with Microsoft Basic. The converted file can be loaded directly into an array by a Basic program and displayed on the screen using the PUT command.

Included on the Paint Mover disk is a demo program that shows an example of the animation that can be done through Paint Mover. There is also an additional utility that will create Basic DATA statements from a converted file should the programmer wish to incorporate object arrays into the source code itself.

With Paint Mover, the user can create



detailed objects for games and sophisticated menus and forms using the full capabilities of MacPaint, then display and control these objects through Microsoft Basic.

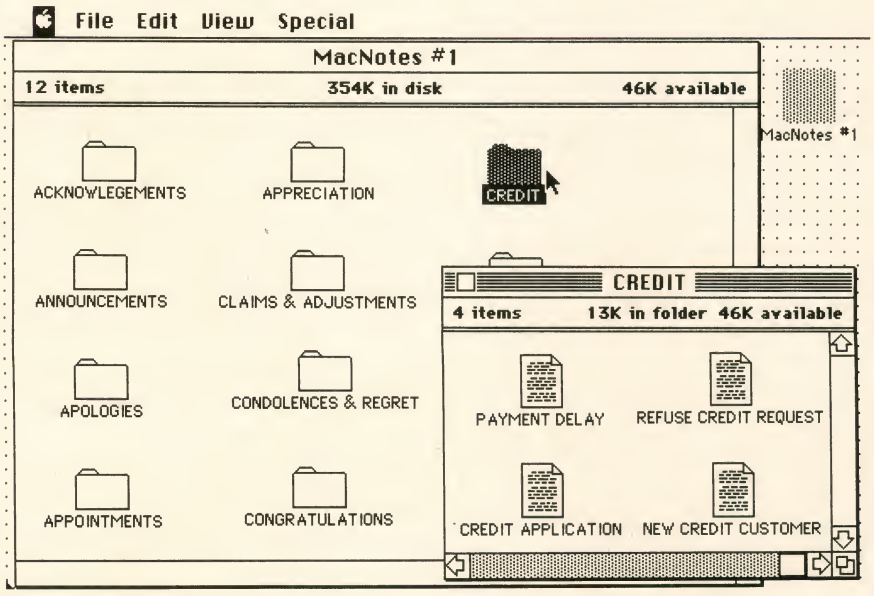
Available from your dealer or:
MacinSoft
Box 27583
San Diego, Calif. 92128
619-745-6084
Retail Price: $29.95
Available now

Paint Mover allows the transfer of MacPaint images into Microsoft Basic. The program provides a fast, easy way for a Basic programmer to create and manipulate images under program control.

troductions, invitations, memos, orders, personnel, recommendations, reservations, sales and promotions, and transmittals.

Available from your dealer or:
Superex International Marketing, Ltd.
151 Ludlow Street
Yonkers, N.Y. 10705
800-862-8800
Retail Price: $89.95
Available now

MacNotes contains 100 ready-made letters for all occasions that Macintosh users can access and use by simply clicking the computer's mouse a few times, entering an address, and filling in the appropriate blanks in the body of each letter. This program is for anybody who finds letter writing a traumatic experience.



MacTools

Disk-recovery utility

System Requirements: 128K Macintosh; one disk drive.

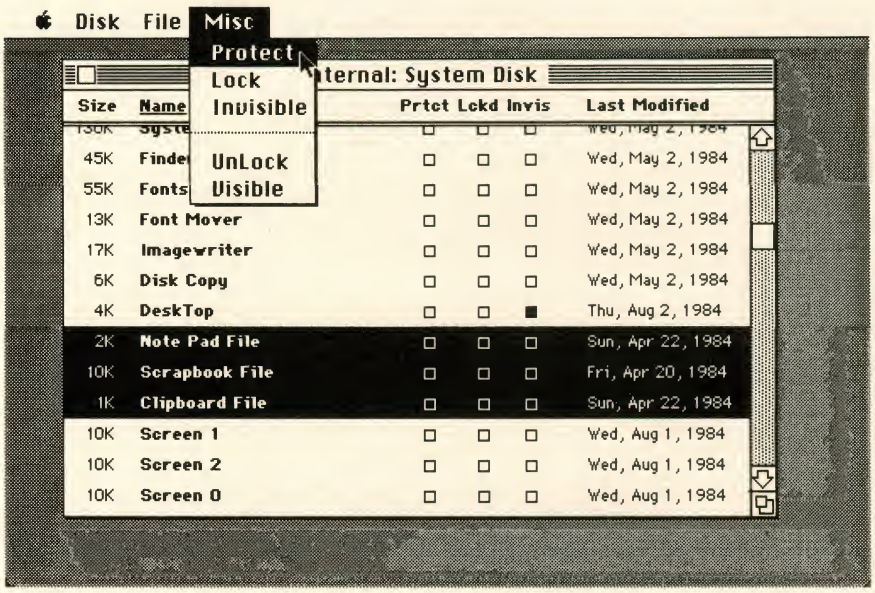
MacTools is a disk-recovery software program. It could be very useful to any Macintosh user who has ever inserted a valuable or favorite program into his or her computer and had it rejected or received the message "This disk is unreadable. Do you wish to initialize it?"

Since users of other computers have been able to repair blown disks on their machines with similar software, it was only a matter of time before this capability was made available to Macintosh owners, too. Unlike some of these other similar programs, however, MacTools users will also be able to save important data and programs on disks that have been badly damaged. Files may need to be renamed, but in almost all cases MacTools has proven to be effective.

MacTools works by integrating standard-disk operating functions with additional features, such as copy protect, verify a disk, lock/unlock files, and make files visible/invisible. The standard-disk operating functions that the program performs, as previously mentioned, include copy files, rename files, delete files, copy a disk, rename a disk, and format a disk.

In addition, the program is capable of pattern matching, which makes it possible to work with several different files at one time. For example, a user can choose to copy everything that begins with "Mac," or only those files that contain the letters "Font."

Versions of the program to be released in November of 1984 will let a user view all the files contained on a diskette at once, including hidden, locked, and protected files. This will primarily let programmers and curious users who wish to poke around a Macintosh diskette examine a file or a specific tract/sector in both hex and ASCII formats.



Available from your dealer or:
Central Point Software, Inc.
9700 SW Capitol Hwy. #100
Portland, Oreg. 97219
503-244-5782
Retail Price: $39.95
Release Date: September, 1984

MacTools is a disk-utility package for the Macintosh that can be used to recover information from damaged disks. In addition to standard-disk operating functions, the program can also perform the following features: copy protect, verify a disk, lock/unlock files, and make files visible/invisible.

Mac Epson Connection

Printer utility

Systems Requirements: 128K Macintosh; one disk drive. Special Requirements: An Epson dot-matrix printer. Inclusions: Cable and all connections.

The Mac Epson Connection is a combined software and hardware product that provides a Macintosh user with a print driver and all the cable connections needed to drive all printers in the Epson dot-matrix series.

Dot-matrix printing is accomplished by forming characters comprised of many small dots. Most dot-matrix printers produce dot patterns in a 5-by-7 or 7-by-9 dot configuration. Higher-quality dot-matrix printers produce dot patterns of 11 by 13 dots or more. Printers such as the Epson FX and RX models, then, are capable of

Mac Spell Right

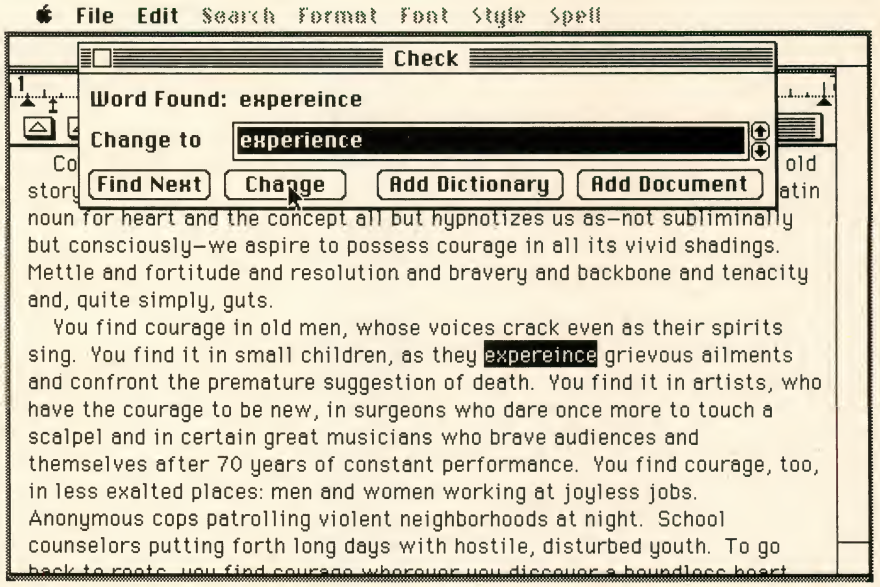
Spelling checker

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacWrite.

Writing an article, a letter, a report, or whatever is usually only half the battle for any business person or private individual interested in efficiency and accuracy. Once a project like this is completed, in addition to being fact checked for accuracy, it must also be proofread for spelling errors.

This is not always easy, and it can become a frustrating problem when deadlines don't allow a lot of time to check the spelling.

The Mac Spell Right software program solves this problem by reducing the amount of time any business or home Macintosh user needs to spell check any document produced on MacWrite. In effect, it puts a Webster's dictionary at a user's beck and call. It can even locate and flag misspelled words in MacWrite documents and automatically suggest the correct alternative spelling.



Mac Spell Right reduces the time a Macintosh user takes to spell check and correct documents made with MacWrite.

Once loaded within MacWrite, a Mac Spell Right user never has to switch back and forth between disks and, therefore, programs. This also contributes to the increased productivity and efficiency.

Since the program is easily included within any MacWrite file, a Macintosh user need only click the computer's mouse and select "Spell" from the MacWrite menu bar to gain access to Mac Spell Right.

The Mac Spell Right software program for the Macintosh is straightforward and easy to use.

Available from your dealer or:
Assimilation Process
20833 Stevens Creek Blvd., Suite 101
Cupertino, Calif. 95014
408-446-0797
Retail Price: $79
Release Date: September, 1984

producing higher-quality text and graphics than most standard dot-matrix printers.

In addition to higher-quality, hard-copy graphics and text the combination of an Epson dot-matrix printer and the Mac Epson Connection also gives a Macintosh user faster printing output, which can increase computer usage and efficiency.

Available from your dealer or:
Assimilation Process
20833 Stevens Creek Blvd., Suite 101
Cupertino, Calif. 95014
408-446-0797
Retail Price: $89
Release Date: October, 1984

MacPlots II

Plotter utility

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacDraw and a color plotter.

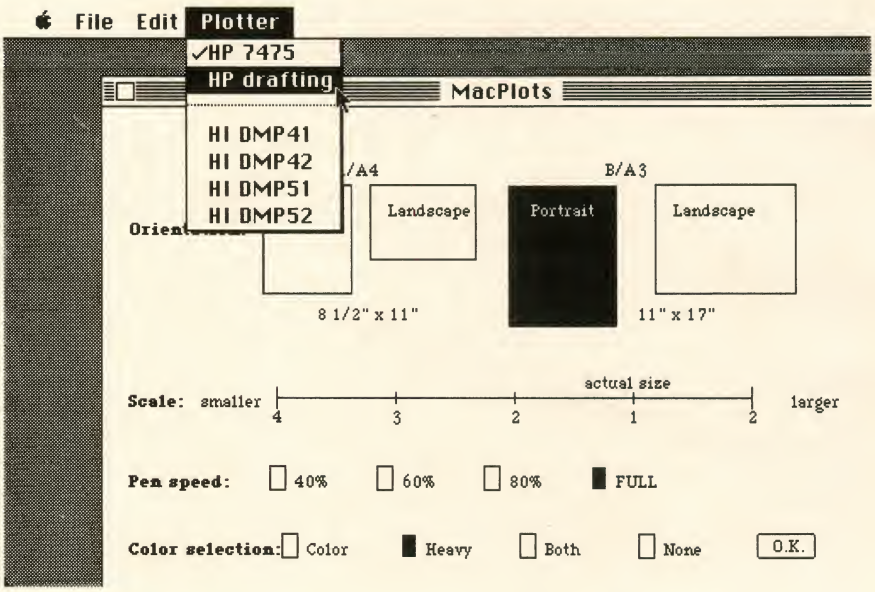
MacPlots II for the Macintosh is a utility software program that produces color-plotted output from MacDraw documents. In effect, it turns a Macintosh into a CAD/CAM machine for architectural and engineering environments and other professionals that use computer-aided designs and drawings.

MacPlots II works with the Macintosh as a desktop tool that allows the plotting of virtually anything that can be pasted into MacDraw, including documents, text, charts, and graphs. It produces continuous one-piece drawings from multiple-page drawings, ignoring page breaks, on plotters up to E size, which is 36 x 48 inches.

MacPlots II can also scale any drawing up or down, in any degree of scaling, directly through a plotter without modifying an actual drawing, and it can be used to produce overhead color transparencies for presentation purposes or viewings by large groups of people.

MacPlots II will be available for Hewlett-Packard's HP7475 plotter 60 days after the release of MacDraw. Depending on the plotter used, it will not support some of the features supported by MacDraw. These include clipping, if the plotter used owns no white out; line-pen patterns; polygon and freehand heavy lines; and polygon and freehand fill patterns. In addition, not all fill patterns will be applicable for all objects. Please write the manufacturer for further specifications.

Available from your dealer or:
Computer Shoppes
615 Guilford Jamestown Rd. @ I-40
Greensboro, N.C. 27409
919-299-4843
Retail Price: $195
Release Date: 60 days after release of MacDraw



MacPlots II turns a Macintosh into a full CAD/CAM machine. The program can produce color-plotted output from any MacDraw document, and it can create continuous one-piece drawings from multiple-page drawings on plotters up to E size.

Mac Daisywheel Connection

Printer driver and interface

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Daisywheel or letter-quality printer. Inclusions: All necessary hardware and software.

The Mac Daisywheel Connection is a software and hardware product that allows the Macintosh to work with any popular daisy-wheel or letter-quality printer. Owners considering the Apple Daisy Wheel Printer; Brother HR15, HR25, or HR35; the NEC Spinwriter; Diablo 630; Qume LetterPro; or Silver Reed, to name a few, can now purchase and operate one of these printers with their Macintosh.

The Mac Daisywheel Connection comes with a software printer driver, a printer interface cable, and a user's guide. Its software printer driver supports any Macintosh software that uses an Imagewriter printer driver, and its serial cable, DB9 to DB25 with a unique pin assignment, also supports a broad selection of printers.

The Mac Daisywheel Connection, developed by the authors of MacWrite, is ideal for users who produce regular business

MacTransfer

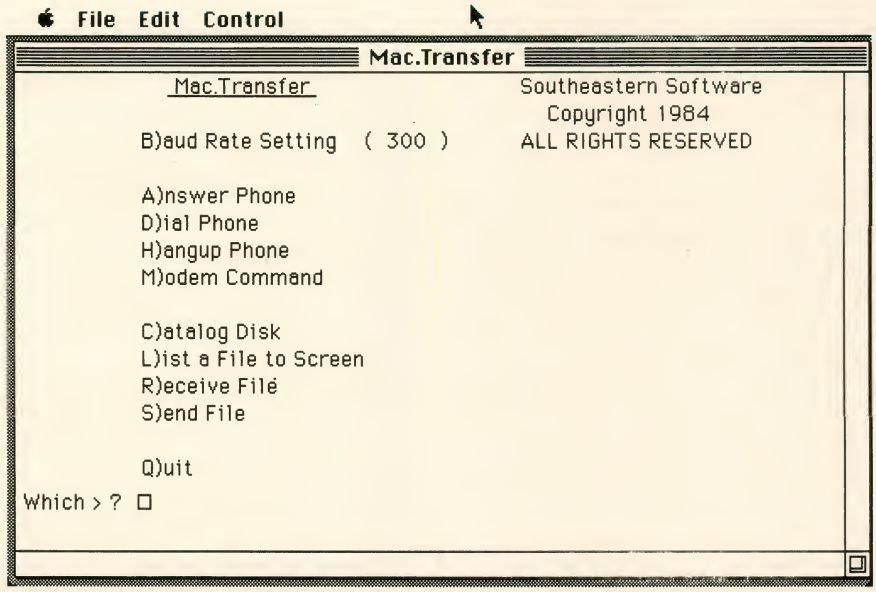
Data-transfer utility

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Modem (optional). Inclusions: A utility program for transferring Applesoft programs to the Macintosh.

MacTransfer is a data-capture and data-transfer program that lets Apple Macintosh users connect their computer to either an Apple II, IIe, or IIc via modem, or by wiring the two computers together. It includes an instruction manual that shows how to use the Imagewriter cable that comes with the Macintosh to make the connection.

The manual also includes instructions for using and making other cables that will make the same connection, instructions for transferring text files to and from the Macintosh, and specific instructions on moving word-processing files to MacWrite and SYLK files to Multiplan.

Macintosh users can also turn Applesoft programs into compatible text files using a MacTransfer utility, supplied by the manufacturer of the MacTransfer program. Once these files are converted they can be transferred to the Macintosh via MacTransfer and used with Microsoft Basic. A user will have to make some syntax changes in these programs in order to use them, but all in all he or she will save a considerable amount of retyping time by making the transfer.



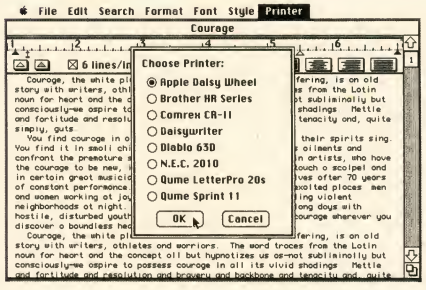
MacTransfer is a data-capture and a data-transfer program that can be used to connect the Macintosh to an Apple II, IIe, or IIc personal computer via a 300 or 1200-baud modem, or by wiring the two computers together using the Imagewriter cable that comes with the Macintosh.

Available from your dealer or:
Southeastern Software
7743 Briarwood Drive
New Orleans, La. 70128
504-246-8438 or 504-246-7937
Retail Price: $45
Available now

correspondence, reports, legal documents, and spreadsheets. It is straightforward and easy to use, and it maintains the visual fidelity of a file even when text and graphics are mixed.

The Mac Daisywheel Connection also supports various font styles, including 10 pitch, 12 pitch, 15 pitch, and proportional spacing, and it has many other features as well, such as the ability to produce boldface print, underlining, subscripts, and superscripts.

Available from your dealer or:
Assimilation Process
20833 Stevens Creek Blvd., Suite 101
Cupertino, Calif. 95014
408-446-0797
Retail Price: $99
Available now



The Mac Daisywheel Connection package allows a Macintosh to print via one of the many popular daisy-wheel or letter-quality printers currently on the market.

ProPrint

Utility software

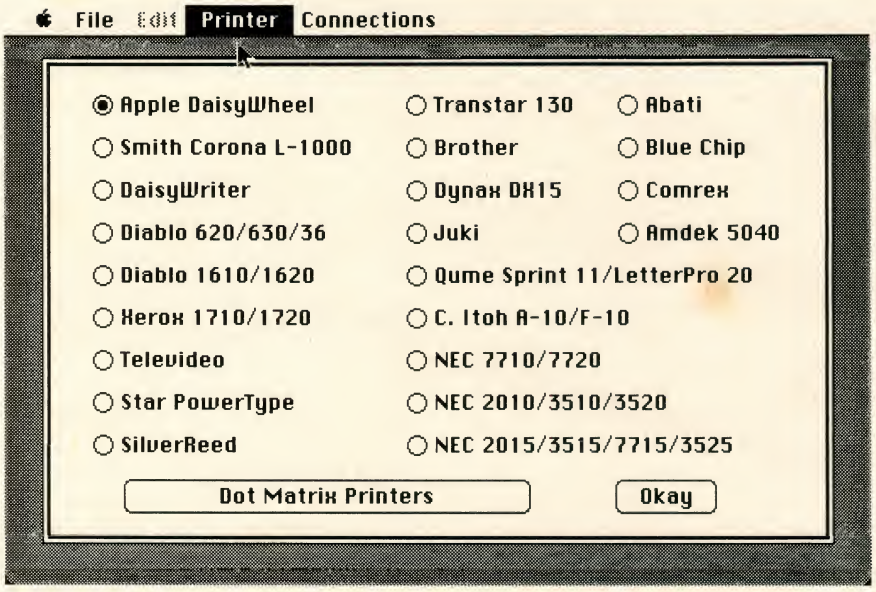
System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacWrite software; letter-quality printer.

ProPrint is a software program that enables the output of MacWrite files directly on all serial, letter-quality printers available for the Macintosh computer. It is completely mouse driven and it uses all of the MacWrite program's pull-down menus.

ProPrint also supports MacWrite formatting options, including boldface, subscripts, superscripts, tabbing, ribbon-color changes, and left, right, center, or full-line justification.

In addition, A Macintosh user running ProPrint can specify up to 50 files for sequential printing and may also specify multiple or single-copy printing in single-sheet or continuous-feed mode. Each time the program is booted up the program automatically defaults to the user's most recent printer configuration.

ProPrint is also multi-tasking. It allows a user to simultaneously print documents, use desktop accessories, select additional files for printing, and monitor and control all printing functions.



When using ProPrint a printer may be connected to either the Macintosh's printer or phone port. And an optional A/B switch is available from the program's manufacturer that enables a user to switch between an ImageWriter and a letter-quality printer from a single port. Shielded cables for hookups are available from the same source as well.

Available from your dealer or:
Creighton Development, Inc.
4931 Birch Street
Newport Beach, Calif. 92660
714-476-1973
Retail Prices:
$74 ProPrint
$99 ProPrint with shielded cable
$225 ProPrint with A/B switch and two shielded cables
Available now

ProPrint software for the Macintosh allows the output of MacWrite files on all popular makes of serial, letter-quality printers, and also offers complete control of all printing functions. In addition, it supports all MacWrite formatting options, including underlining, boldface, superscripts, subscripts, tabbing, ribbon-color changes, and more.



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MacSlideshow

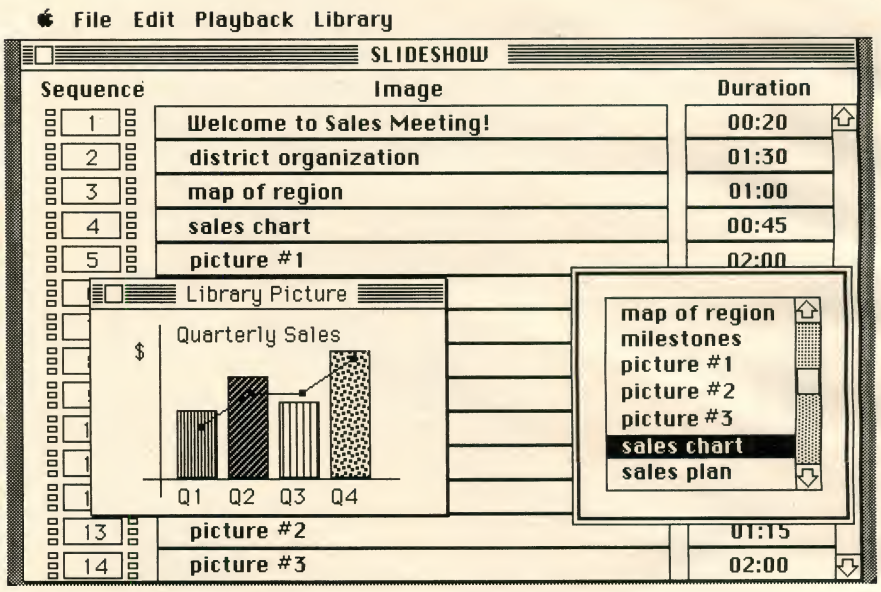
Presentation graphics

System Requirements: 128K Macintosh; one disk drive.

MacSlideshow is a multipurpose program for presentation of sequential visual images produced in MacPaint or MacDraw. The program makes on-screen "slide shows" that can be used as a demonstration tool at business meetings, for sales presentations, in the classroom, or wherever a visual story must be told.

The user simply selects from an on-screen picture library the images that were created, arranges them in sequential order, and plays them back. The length of time each image stays on the screen can be controlled, and the program can be set up to run indefinitely in a continuous loop.

Available from your dealer or:
American Intelliware Corporation
330 Washington Street
Marina Del Rey, Calif. 90292
213-827-0803
Retail Price: $195
Release Date: October, 1984



The MacSlideshow gives businesses and schools the opportunity to put together on-screen "slide shows" that will run automatically using all the graphic and text capabilities of the Macintosh.

MACPLOT

Business graphics

System Requirements: 128K Macintosh; one disk drive. Special Requirements: MacDraw and a plotter.

MACPLOT takes a picture created on the Macintosh with MacDraw or any other compatible program and plots it out in hard-copy form on a plotter. Plotters supported include those made by Apple, the Calcomp 81, Graphtec MP1000-01, and the Hewlett-Packard HP7475.

MACPLOT lets a user assign specific plotter pens to any line width or line pattern. These pens can be of various colors, various thicknesses, or both. In addition, the program lets a user determine pens and hatching patterns and the fill pattern to be used.

Otherwise, MACPLOT defaults on a one-to-one scale with MacDraw. For example, if MacDraw's ruler is set to draw a six-inch line, and no further instructions are given, MACPLOT will produce a six-inch line on a plot. If desired, plots can be scaled up or down, and pen speeds can be varied to allow plotting on film for creating overhead-projector slides.

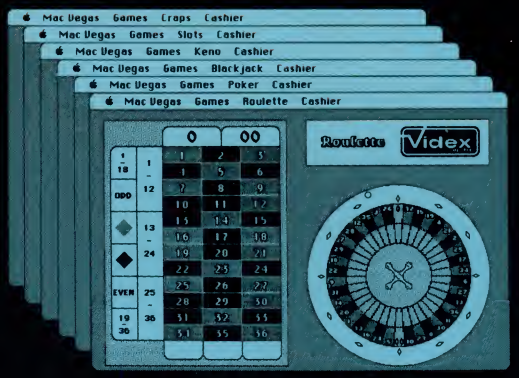
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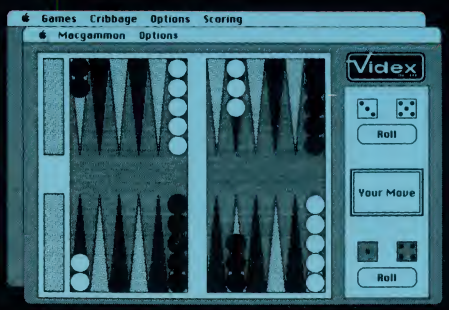
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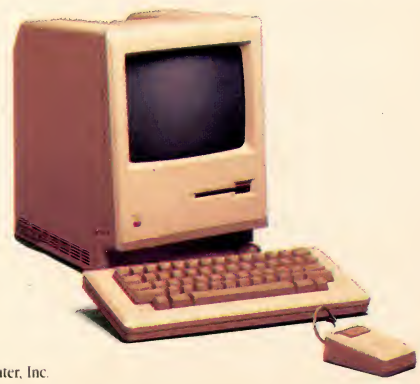
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MegaMerge

Mail merging

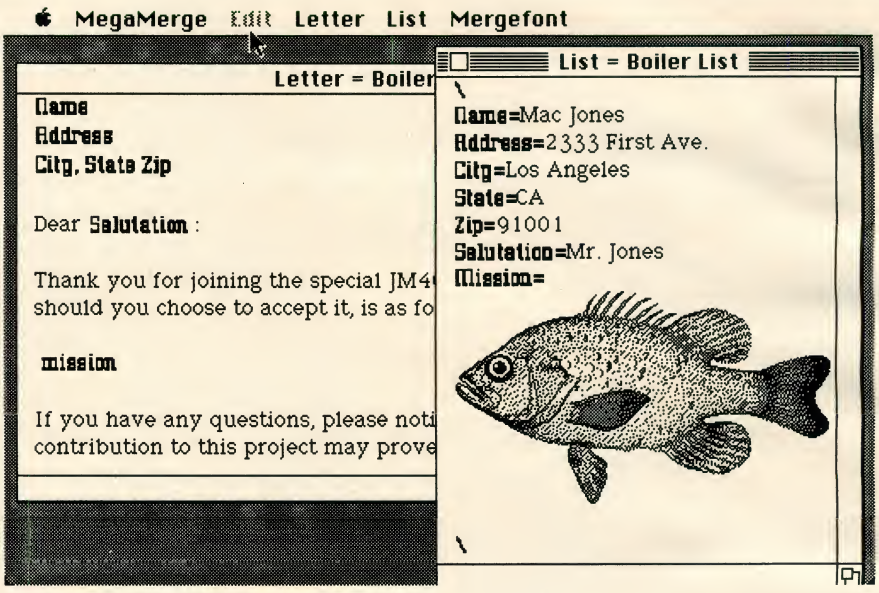
System Requirements: 128K Macintosh; one disk drive.

MegaMerge is the mail-merge program for MacWrite. With MegaMerge, MacWrite becomes a more versatile word processor for both business and home use.

The program allows printing of form letters, each individually typed and addressed. It provides the capability for printing mailing labels and mailing lists. Short documents can be chained together to make one long document.

MegaMerge uses all the fonts, styles, pictures, and other features that the Macintosh provides.

Available from your dealer or:
Megahaus Corporation
5703 Oberlin Drive
San Diego, Calif. 92121
800-358-8882
800-451-1230 in Calif.
Retail Price: $125
Available now



MegaMerge allows the merging of names and addresses with text, pictures, and other Macintosh files so custom or form letters can be easily produced.

MegaForm

Forms and report generator

System Requirements: 128K Macintosh; one disk drive.

MegaForm is a software tool for creating full-size forms and reports such as invoices, purchase orders, expense reports, and the like.

With MegaForm the user can draw forms and reports on the screen exactly as they should appear in their finished versions. Pictures from MacPaint and other Macintosh programs can also be incorporated.

The program will fill out the forms once they are created, as well. MegaForm will look up information from MegaFiler files, calculate prices, discounts, taxes, and more, all automatically. Once the form is complete and has been checked for accuracy, the program will number it sequentially and print it out.

Available from your dealer or:
Megahaus Corporation
5703 Oberlin Drive
San Diego, Calif. 92121
800-358-8882
800-451-1230 in Calif.
Retail Price: $195
Release Date: October, 1984

Invoice — RYZ Corporation — No: 27812

John Doe
123 Main Street #10
Los Angeles, CA 91001

Date: August 30, 1984
Invoice No: N3982
Customer No: 4093

Qty	Description	Unit Cost	Total
12	MegaMerge	125.00	1500 00
9	MegaWriter	99.95	899 55
Total			2399 55
Tax			143 97
Amount Due			2543 52

With MegaForm, the Macintosh screen shows exactly what the finished form looks like. This allows users to enter data accurately without a great deal of training.

MacPrint

Printer utility

System Requirements: 128K Macintosh; one disk drive.

MacPrint is a serial printer interface designed to give the Macintosh user a choice of which printer they want to use. With one-time, simple installation MacPrint allows printing of letter-quality documents on daisy-wheel printers or complex graphics on dot-matrix printers.

MacPrint works with all programs available for the Macintosh—and will work with those yet to come. In fact, the program will add features to certain printers or programs. For example, if your system does not allow boldface type or underlining, MacPrint can make them available.

For those who need a cable in addition to MacPrint, it's in an optional accessory kit.

Available from your dealer or:
The All American Software Company
190 Serena Way
Santa Clara, Calif. 95051
408-249-7353
Retail Price:
$54.95 MacPrint
$25.00 Accessory Kit
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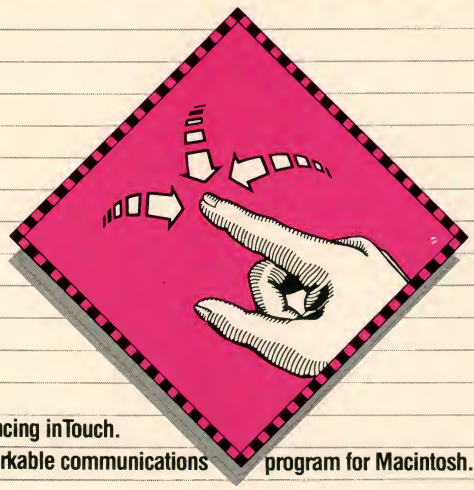
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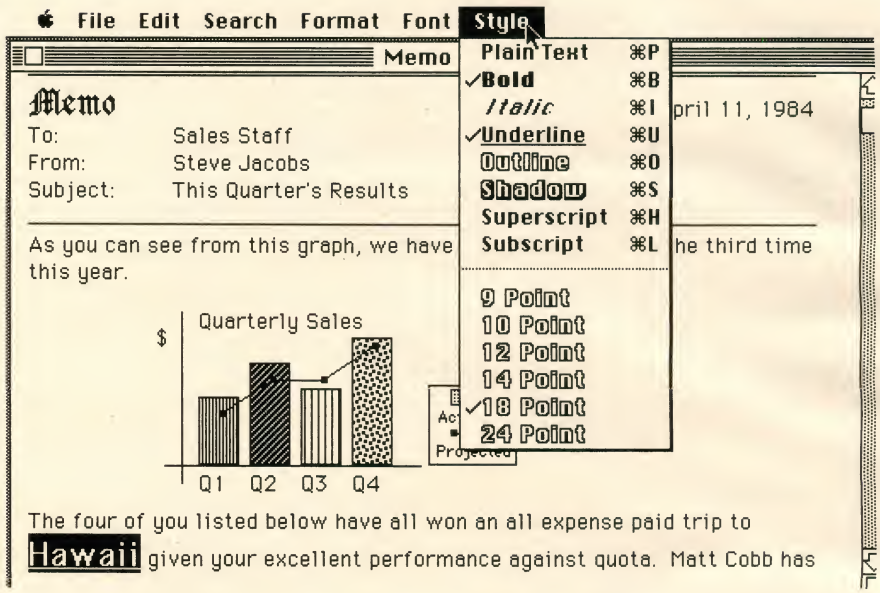
Circle 32

Software Masters™

MacWrite

Writing; word processing

System Requirements: 128K Macintosh; one disk drive; printer.



MacWrite is an easy-to-use word processor with many unique features. It's designed to be used for short documents, up to eight single-spaced or 16 double-spaced pages or so. This makes it ideal for most business correspondence and reports. It's so easy to learn that a person can begin producing original documents after only a half hour or so of orientation.

Perhaps the most unique feature of this program is its ability to show on the screen *exactly* what will be printed. That includes type size, font, and style—outlined, shadow, whatever. This way a writer can be certain that the document will appear the way it was designed.

MacWrite makes use of all the Macintosh gadgets—mouse, pull-down menus, clipboard, scrapbook, and the rest. The mouse is even used in the editing process, which will be something new to learn for people with extensive word-processing backgrounds. Once learned, however, it becomes a natural tool that speeds up the writing and editing process.

Formats are easy to change with the Macintosh-style ruler where tabs, line spacing, justifiction, indenting, and margins are easily and quickly set. To change tabs within a document the writer simply inserts another ruler, makes the appropriate settings, and then can hide the ruler out of sight.

The program includes provisions for headers and footers, allows search and replace, and is capable of inserting page breaks at any point in a document.

MacWrite is fully integrated with MacPaint through the clipboard, so drawings, graphs, and illustrations can be incorporated into any MacWrite document at any point.

The many font, size, and style choices for type are truly what set MacWrite apart. If the writer wants to emphasize a particular section of text he simply highlights it with the mouse and begins experimenting. He can run through the entire library of choices, watch the changes on the screen, and make a final choice without having to print out each option. This capability can give an emotional content to bland writing, can make dull business letters interesting, and can let writers express themselves more fully.

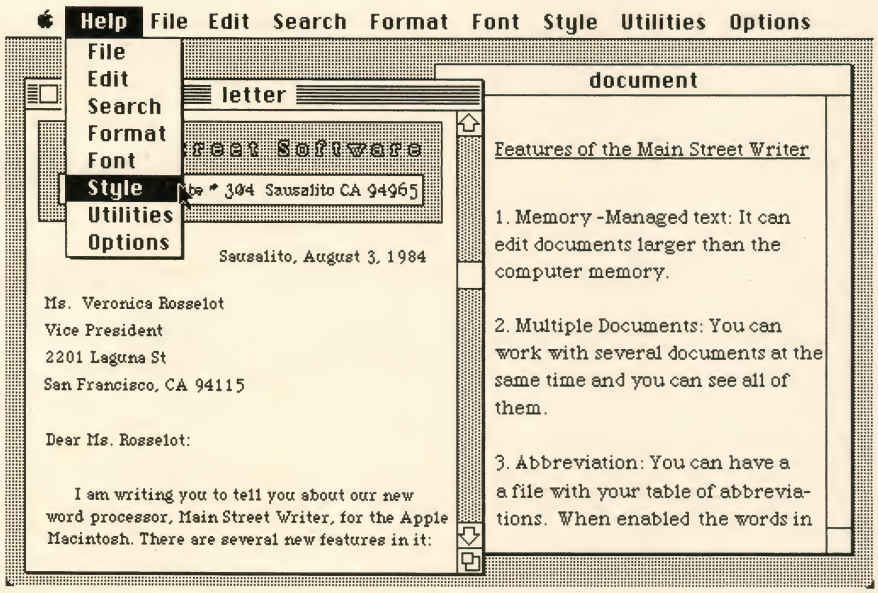
Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $195 (Includes MacPaint)
Available now

MacWrite is a versatile, creative writing tool. Not only does the writer have hundreds of combinations of fonts, styles, and sizes from which to choose, he can also incorporate drawings, graphs, and illustrations into his documents.

Main Street Writer

Writing; word processing

System Requirements: 128K Macintosh; one disk drive.



Main Street Writer for the Macintosh is a word-processing program designed to be used by professional writers and other business people. Because Main Street Writer automatically writes text to disk when the computer's memory runs low, a user can create documents that are larger than the standard Macintosh's on-board 128K memory. This means the program can be used to write either a brief memo or a long manuscript, even a novel.

Main Street Writer makes good use of the Macintosh's special abilities, such as its windows, mouse control, pull-down menus, scroll bars, and its "cut-copy-paste" editing capabilities. By doing so, it allows a user to view several documents on screen at one time, move them around as required, compare contents, or make simultaneous edits. Users can even move text from one document to another.

Users can also access explanations of any Main Street Writer feature from the program's menu bar simply by clicking the Macintosh's mouse at the appropriate point. Users can even create their own abbreviations for words or phrases used regularly in text and place them in a special file. Whenever they type one of these abbreviations, the program will automatically enter the word it represents into a document. This feature can be a great help when used with words that are often misspelled.

Main Street Writer will also search forward or backward through text to locate a designated word or phrase and replace it once, a specific number of times, or every time it occurs. In addition, the program can format a document exactly the way a user wants it to appear on paper.

Subscripts, superscripts, and page breaks on Main Street Writer appear right on the Macintosh screen, and a user can change margins for one line, one paragraph, or an entire document and have the beginning of each paragraph indent automatically. Unlike many other word-processing programs, footnotes can be included in documents produced on Main Street Writer as well.

Other features of this program include a wide selection of character fonts and styles, horizontal scrolling, and built-in system functions, such as file directories, deletion and renaming of files, file status, and renaming of disk space.

Available from your dealer or:
Main Street Software
One Harbor Dr., Suite 304
Sausalito, Calif. 94965
415-332-1274
Retail Price: $199
Release Date: October, 1984

Main Street Writer for the Macintosh is a word-processing program designed to be used by professional writers and people in business. The program offers the ability to create documents that are larger than the computer's memory, and to include footnotes in final hard-copy text.

Mac the Linguist: Phonetic Fonts for the Macintosh

Transcription software

System Requirements: 128K Macintosh; one disk drive. Inclusions: New linguistic symbols; key-cap diagrams; and an index of symbols.

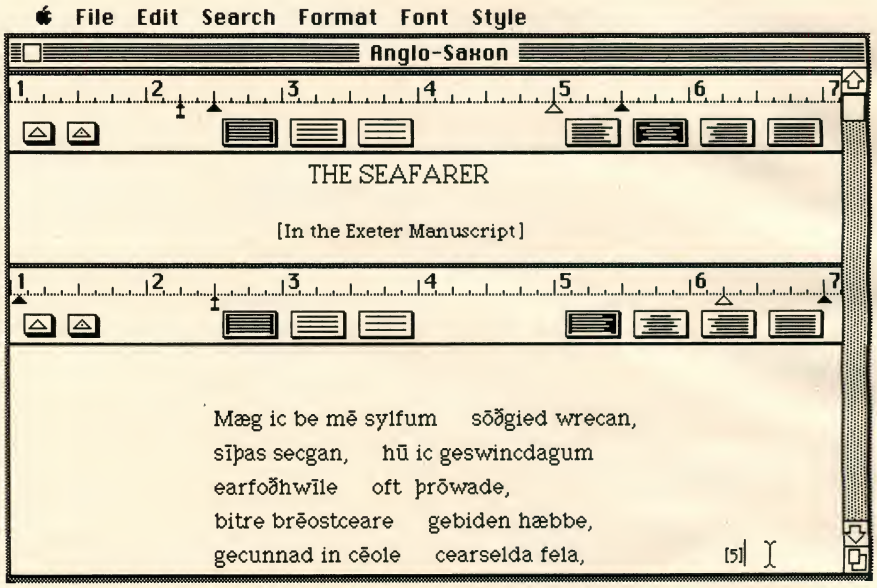
Mac the Linguist: Phonetic Fonts for the Macintosh is a software program that consists of two new phonetic fonts, LNew York and LGeneva, modeled after the Macintosh's original New York and Geneva fonts. The program also includes 147 new linguistic symbols not previously available in any Macintosh font, in point sizes of 10, 12, 20, and 24.

These new symbols include the most frequently used symbols in the International Phonetic Alphabet. They also include symbols from other transcription systems and many orthographic symbols not contained in the original two Macintosh fonts.

The new phonetic fonts can be used with MacWrite, MacPaint, and other Macintosh applications to produce a variety of specialized types of text including linguistic transcriptions, pronunciation guides for dictionary entries, text written in Polish, Latin, Navajo, Old English, and a number of other languages that cannot be produced with the standard Macintosh fonts, and for phonetic renderings.

The program's documentation includes complete installation instructions, key-cap diagrams, and an index of symbols.

Available from your dealer or:
Megatherium Enterprises
P.O. Box 7000-417
Redondo Beach, Calif. 90277
213-545-5913
Retail Price: $50
Release Date: September, 1984



Mac the Linguist can produce phonetic renderings like this Anglo-Saxon version of The Seafarer.

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Microsoft WORD

Writing; word processing

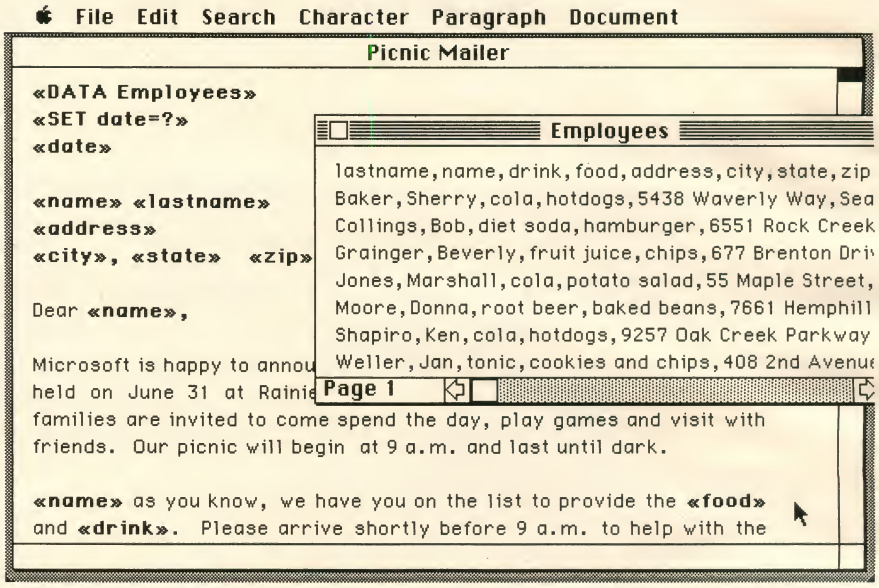
System Requirements: 128K Macintosh; one disk drive.

Microsoft WORD on the Macintosh is designed to be a professional, full-featured word-processing program with the ease of use of more limited packages. WORD is also fully integrated with other Microsoft products: Multiplan, CHART, and BASIC.

One major feature is that the screen represents exactly what will be printed. Indentations, boldface, underlining, italics, different fonts, and other text-formatting features are all shown clearly and to size on the screen. Many other word-processing programs require complex codes that clutter up the screen and make it difficult to see exactly what the finished document will look like.

If the user makes a mistake there is the "undo" command that reverses the last change. This allows the writer to make a change, evaluate it, and change it back the way it was. Word has "help" screens that are never more than a mouse click away.

The Macintosh itself gives WORD ease-of-use capabilities beyond what is usually available with other computers. Pull-down menus make it fast to alter format; change type styles; add footnotes, headers, and sub or superscript notations; make columns; change tabs; and more. It's simply a matter of selecting the operation and clicking the mouse.



Microsoft WORD allows the user to access information from up to three documents while working on another. Here the writer is going to merge data from a list of basic information into a form letter. Each letter will then be personalized.

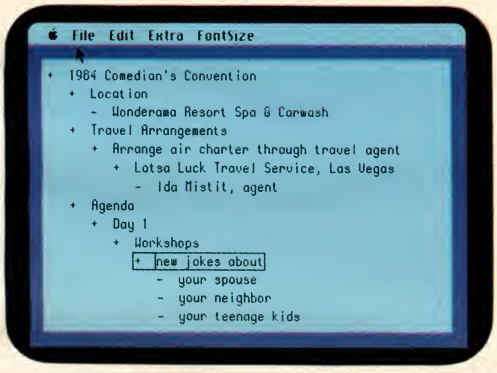
WORD has windows, too—four of them—that can be used when needed. They give the writer the opportunity to view and/or edit two separate parts of a document at the same time, or parts of two different documents at the same time. The windows can also be used to compare several documents at once while writing in another. The Clipboard can be used during this operation to move portions from one document to another.

Available from your dealer or:
Microsoft Corporation
10700 Northup Way
Bellevue, Wash. 98004
800-426-9400
Retail Price: $195
Release Date: October, 1984

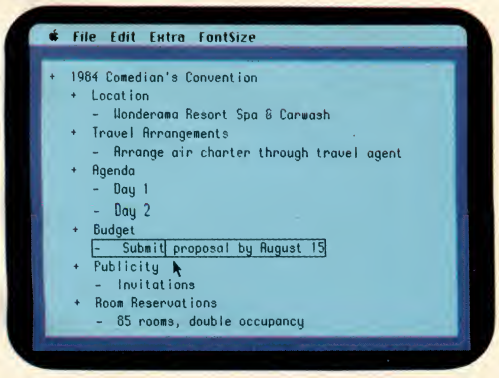
Give Mac a piece of your mind.



Inspiration is fleeting, so just let your thoughts flow. The flexible format makes it easy to rearrange them later into headings and a basic outline.



Use as many headings and as much text as you need to develop the outline fully. ThinkTank's processing power can move whole sections of text with a single keystroke—something no word processor can do.



When you want to scope the Big Picture, a simple command drops out everything but the main headings. Subheads and detailed text are stored for recall later.

Go ahead.

Put your two cents worth onto ThinkTank.™ And watch it grow into a million-dollar idea.

Because ThinkTank is the first software designed to process ideas. Now it's available on the Apple's Macintosh.

ThinkTank's flexible outline format lets you clearly see your idea from all angles. So you can sharpen up an inspired thought, weed out a weak one, set priorities, weigh alternatives.

It's like a spreadsheet for ideas.

While all this structuring helps your brain-child take shape, it won't inhibit the natural flow of creative juices. Because entering an idea onto ThinkTank is as easy as scribbling it on a cocktail napkin. All you need is simple English.

Just let your thoughts flow—from "pie in the sky" concepts to the "nuts and bolts" details. And build more professional proposals, marketing plans, legal briefs, case reports, engineering specifications, research notes, action items, hot lists and to-do lists.

Call 1-800-556-1234 Ext. 213 (in Calif., 1-800-441-2345 Ext. 213) for the store nearest you. And see what's really on your mind.



The First Idea Processor.

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MacProject

Project management

System Requirements: 128K Macintosh; one disk drive.

MacProject is designed to help plan and track any size or type of project from producing a book to constructing an office building. It quickly calculates the start and finish dates for each task as well as for the entire project. MacProject also displays all "critical paths"—those series of tasks that determine the project's completion date.

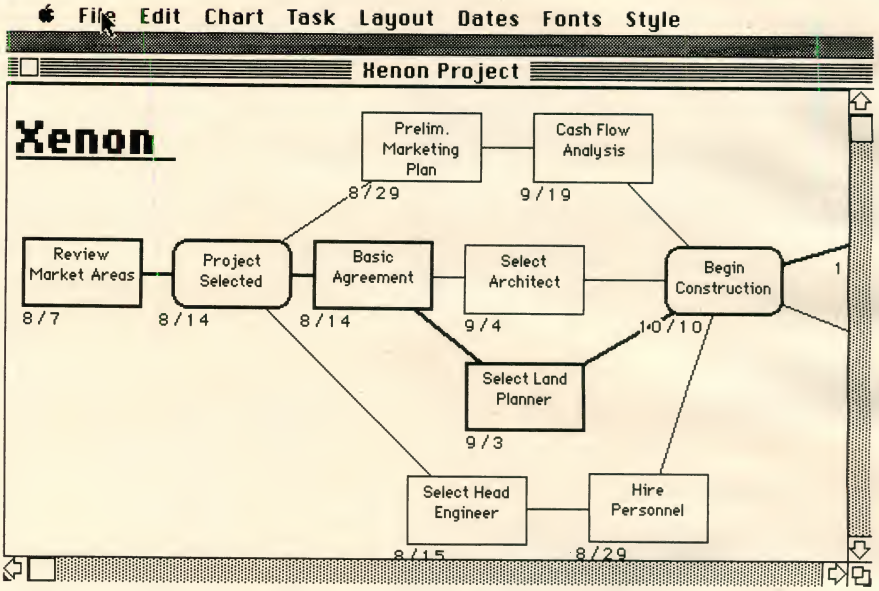
The program displays resource allocations, a task chart, and cash flow; and will instantly recalculate the entire project whenever a change is made in any phase.

MacProject takes advantage of the Macintosh mouse, graphics, and pull-down menus so the user doesn't have to learn and remember complex commands. To indicate dependent tasks, for example, the user simply draws lines connecting boxes. Entering other information—such as project start and finish dates, task completion times, and costing data—is just a matter of filling in blanks in the forms provided.

Costing and cash-flow analyses are provided through financial worksheets. For additional analysis you can copy data from MacProject and paste it into an electronic spreadsheet like Multiplan.

MacProject graphically displays project status—critical paths, task and resource interdependencies, and problem areas—to provide a quick grasp of these characteristics whenever necessary. To further clarify a project's standing, information from MacProject can be moved into other Macintosh applications.

For example, MacDraw can be used to enhance a project chart for a presentation. Or a chart can be moved into MacWrite to add status comments to the report. And, when the user wants to commit the project to paper, anything on the Macintosh screen can be printed in exact detail on the Imagewriter printer.



This is a sample MacProject document. The rectangles represent tasks and the lines show the order in which they must be completed. Rounded rectangles show milestones—significant events. Darkened lines are critical paths, dates are start and finish dates.

Available from your dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Price: $125
Release Date: October, 1984

MacManager

Management simulation

System Requirements: 128K Macintosh; one disk drive.

MacManager is a realistic simulation of big-business management and decision making. It's based on the computer-management games played at leading business schools. The players' decisions determine profit or loss, success or failure.

The user sits down at the manager's desk and takes control of the company. He or she can go to the factory and look at production or size up warehouse inventory with a click of the mouse.

From the vantage point of the office, he watches company headquarters as the fortunes of his company rise or fall. He can read the MacTimes to find out what his competitors are doing and to analyze industry reports.

He can make his decisions based on all the data at his disposal and watch what happens. MacManager can be played at either of two levels. The MANAGER level allows the players to make decisions that have immediate impact on their companies' success or failure. At the more advanced STRATEGIST level, decisions have

ThinkTank

Outline processor; idea organizer

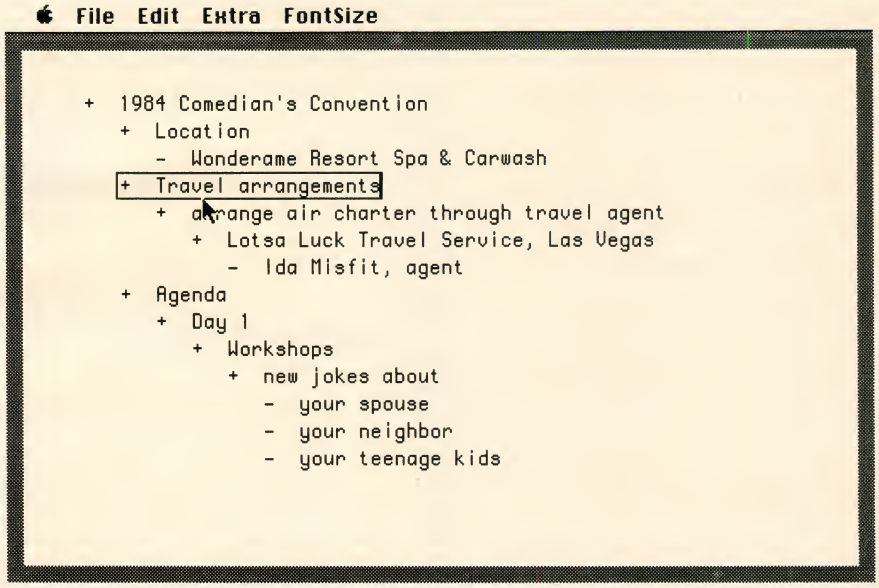
System Requirements: 128K Macintosh; one disk drive.

ThinkTank allows a user to enter thoughts and ideas as they occur, and then organize them into logical format. The program offers limitless permission to reorganize, add, delete, change emphasis, and expand and contract the outline.

The outline is started by entering first ideas into headings. As more ideas surface they can be tucked under headings, into sub headings, sub-sub headings, and so on. New headings can be created at any time. Individual ideas or complete sections can be moved anywhere within the outline. If something doesn't fit it can be instantly deleted.

The entire outline can be collapsed so only main headings show, then each heading can be individually expanded for work. The Macintosh mouse and other features of its user interface make the organizing and reorganizing process quick and easy.

Managers use ThinkTank to plan projects, engineers organize specifications and documentation, entrepreneurs develop business plans. Lawyers develop casework, writers brainstorm story ideas, students outline term papers, consultants plan presentations and seminars.



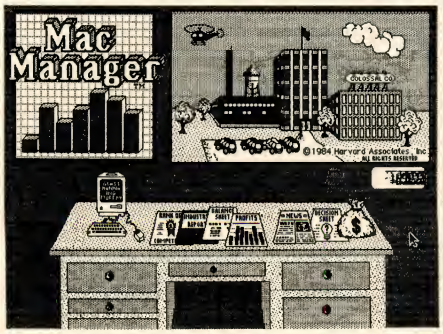
ThinkTank lets the user quickly enter his thoughts as they surface in an impulsive fashion, and organize them into a logical format.

Available from your dealer or:
Living Videotext, Inc.
2432 Charleston Road
Mountain View, Calif. 94043
415-964-6300
Retail Price: $145
Available now

both short-term and long-term effects on the companies.

MacManager makes wide use of Macintosh graphics. Rather than simply showing numbers on the screen, many scenes are three-dimensional representations of the business environment. From one to nine players can compete with other human or Mac-controlled players for a period of three months to eight years.

Available from your dealer or:
Harvard Associates, Inc.
260 Beacon Street
Somerville, Mass. 02143
617-492-0660
Retail Price: $49.95
Available now



This screen shows the graphic quality of MacManager. The program's structure is based on the same types of case studies used by major business schools for management training.

MacLabeler

Disk labeling

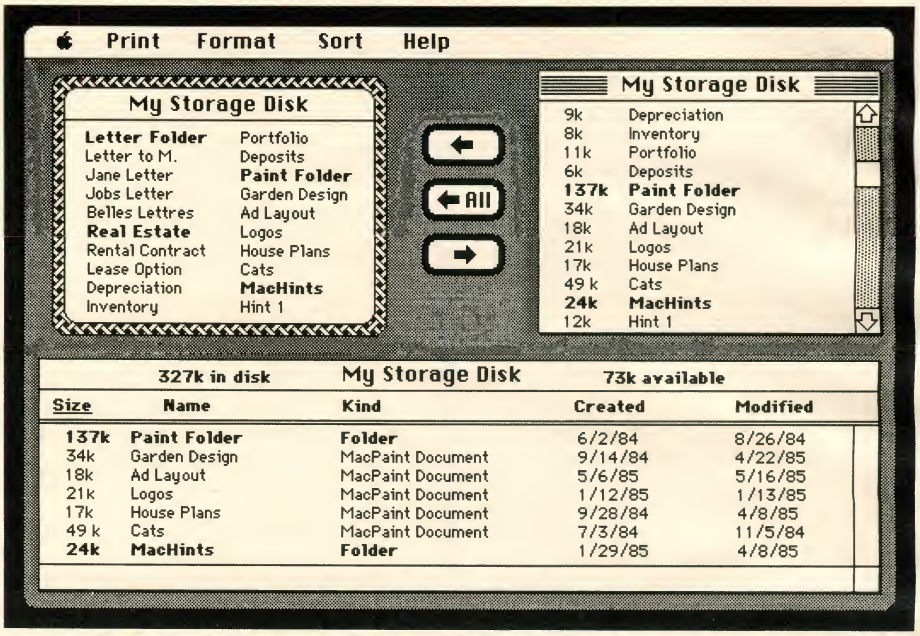
System Requirements: 128K Macintosh; one disk drive; Imagewriter printer. Inclusions: One pack of fan-folded labels.

MacLabeler is a utility program that lets a Macintosh user organize his or her software library by preparing new labels that display the contents of a diskette.

The program reads the document, application, and folder names off a diskette and then prints them out on a label. If there are more available names that will fit on a label MacLabeler lets a user select the ones wanted by just pointing and clicking the mouse.

The program comes with a starter pack of blank, fan-folded labels that are designed to stick on tightly to a diskette and peel off easily whenever a change or update is needed. These labels have also been designed for easy registration and printing on the Imagewriter printer.

In addition to printing labels, MacLabeler comes with a large directory-display feature that shows each file's name, size, kind, date created, and date modified.



MacLabeler lets a Macintosh user create customized labels for every diskette in a software library. It displays a complete disk directory and a label image on the Macintosh's screen when run in conjunction with any other disk. A user can scroll through the disk directory with the mouse—as shown here—and transfer any application name, document name, or folder name to the label image for printing on an Imagewriter.

This feature can be used to scan through a disk quickly and in some detail, or to print out a detailed directory of any disk on regular paper.

Available from your dealer or:
IDEAFORM INC.
908 East Briggs
Fairfield, Iowa 52556
515-472-9795
Retail Price: $49.95
Release Date: October, 1984

People In Places

Census information data base

System Requirements: 128K Macintosh; one disk drive.

People In Places makes available a large amount of information from the official 1980 U.S. Census. The information may be displayed as maps, lists, or graphs.

After the user chooses a map from the 121 available, he or she identifies two items and may choose a format for displaying the data. If listed, both items are displayed or printed for each place within the chosen boundary of the map. In addition, the program lists the ratio of both items and the percent of each to the sum of all places within the map.

If mapped, each item and each ratio is scaled by 20-percent increments. The places are then plotted and shaded. Five maps are created, each within a separate Macintosh window and can be manipulated just like any other window.

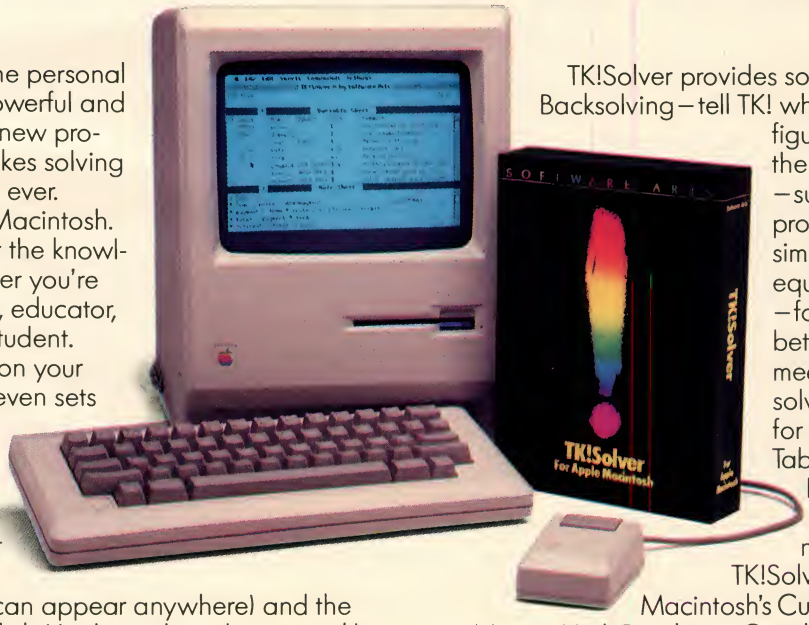
If graphed, each item and each value is scaled and ordered from maximum to minimum. Five windows with bar graphs are plotted, and each bar is labeled with its place name.

The places in the program include the United States, each state and the District of Columbia, 305 Metropolitan Statistical Areas, and the 725 urban counties of the United States.

Available from your dealer or:
Data and Information Software Company
235 Montgomery Street, Suite 1633
San Fransisco, Calif. 94104
Retail Price: $44.95
Release Date: November, 1984

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Let TK!Solver take on your toughest problems—even sets of simultaneous non-linear equations. No matter how you're used to solving problems, just enter the equations (unknown variables can appear anywhere) and the known values. And click. You have the solution quickly. Without programming.

TK!Solver provides sophisticated features like Backsolving—tell TK! what you know, and it figures out the way to solve the problem. Iterative Solving—successfully attack even problems involving sets of simultaneous non-linear equations. Unit Conversions—for automatic conversions between different units of measurement. List Solving—solving a model repeatedly for lists of input values. Tables and High Resolution Plots—produce plots using symbols, lines or a combination of both.

TK!Solver takes full advantage of Macintosh's Cutting and Pasting, Pull-Down Menus, High Resolution Graphics, and also provides a friendly Help and Error Diagnosis System.

TK!Solver®
By Software Arts™

27 Mica Lane, Wellesley, Massachusetts 02181

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TK!Solver

Mathematical equation-solving tool

System Requirements: 128K Macintosh; one disk drive.

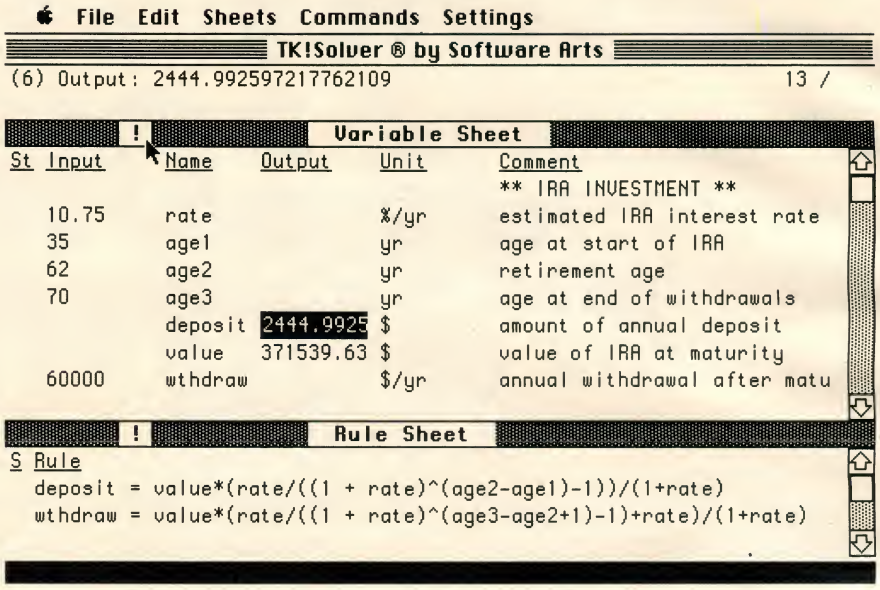
TK!Solver takes on virtually any mathematical problem or equation and solves for unknown quantities—even sets of simultaneous, nonlinear equations. The program was designed to increase the effectiveness and enhance the creativity of educators, researchers, students, engineers, scientists, financial planners, and other professionals who use equations and mathematical models.

You simply enter the equations and then the known values. Unknowns can appear anywhere in the equation. To activate the problem-solving process you simply use the mouse to point to the exclamation point (!), click, and the program automatically solves for all unknowns for which it has enough information.

TK!Solver will also make a plot display, or graph, of the output, which in turn can easily be printed out for presentations.

If you need help while working with equations or cause an error message you can pull down the Apple menu and open the Help file without losing track of your work. This will explain the error and will remain on the screen while you make corrections.

The program uses the Macintosh cut-and-paste feature, allowing output from TK!Solver to be integrated into a word processor or any other Macintosh application.



This is a typical TK!Solver screen on the Macintosh showing how variables (input) are entered, and how clicking the "!" makes the program solve for the unknowns (output). Note that equations are entered in the Rule Sheet section of the screen.

TK!Solver's backsolving feature allows you to solve for *any* unknown in the equation, which means you only have to enter the equation once and simply change the known quantities. If the program can't solve the equation directly, it will take your initial guess and make successive approximations until it converges on the answer.

Given a list of input values, TK!Solver will solve the equation for each of them. If you want to know how a number of interest rates will affect the monthly payments on a mortgage, just list all the interest rates and the program will solve the equation for each and list the results.

You can also do unit conversions—dollars to yen, meters to feet, etc. Just define the conversion parameters between two units and TK!Solver converts the value of either one to the other.

Software Arts has developed TK!SolverPacks that include application models for mechanical engineering, financial management, and introductory science. Each pack contains more than a dozen models with the necessary equations, unit conversions, and other information for solving specific problems.

Available from your dealer or:
Software Arts
27 Mica Lane
Wellesley, Mass. 02181
617-431-6600
Retail Prices:
$249 TK!Solver
$59 TK!SolverPacks
Release Date: September, 1984

Mind Prober

Personality evaluation

System Requirements: 128K Macintosh; one disk drive.

The Mind Prober helps the user understand the motives, feelings, and desires of anyone he or she cares to evaluate with the program. It's an expert system, which means many experts on human behavior and social science have put their knowledge into the program to make it an effective personality-evaluation tool.

First the user decides whose mind will be probed. Then he agrees or disagrees with a list of personality traits as he observes them about his subject. When all this is complete the Mind Prober will report on the subject's behavior and attitude in several different areas.

These reports include such things as relationships with others, attitudes toward work or toward school, personal interests, coping with stress, and achievement motivations.

The reports are intended to help answer a variety of questions about the subjects: What are their true personalities? What is their idea of ideal relationships? What do they want from friends or loved ones? Are they affectionate? Cold? Innovative? Conservative? How do they cope with stress? Do they like to be alone or with crowds? What do they want out of life?

The software was developed after more than ten years of research on the use of computers and situational assessment. Background research is documented in more than 100 scientific papers, books, and presentations.

Available from your dealer or:
Human Edge Software Corporation
2445 Faber Place
Palo Alto, Calif. 94303
415-493-1593
Retail Price: $49.95
Release Date: September, 1984

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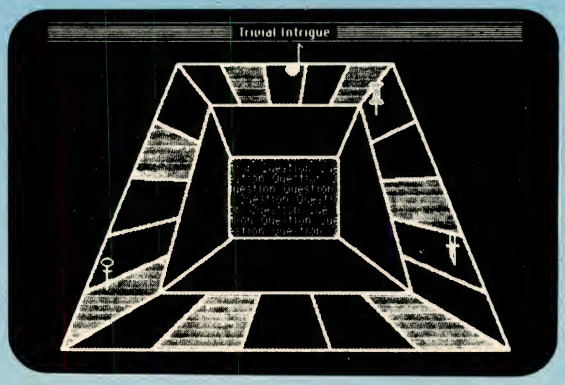
gamma productions inc.
817 10th Street, Suite 102
Santa Monica, CA 90403

Visit us at Comdex/Fall
Riviera Hotel #R8113

Mac version requires 128K and 1 disk drive. Also available for Apple, IBM, CP/M, and Commodore 64.
Distributed by Software Resource, San Rafael, CA. 800-851-9010.
In California 800-851-9009.

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POTSDAM, N.Y. 13676
ORDERS: 315-265-2666 or 315-265-5636

Circle 36 on Reader Service Card

Profit Projector/Breakeven Analysis

Decision support; business analysis

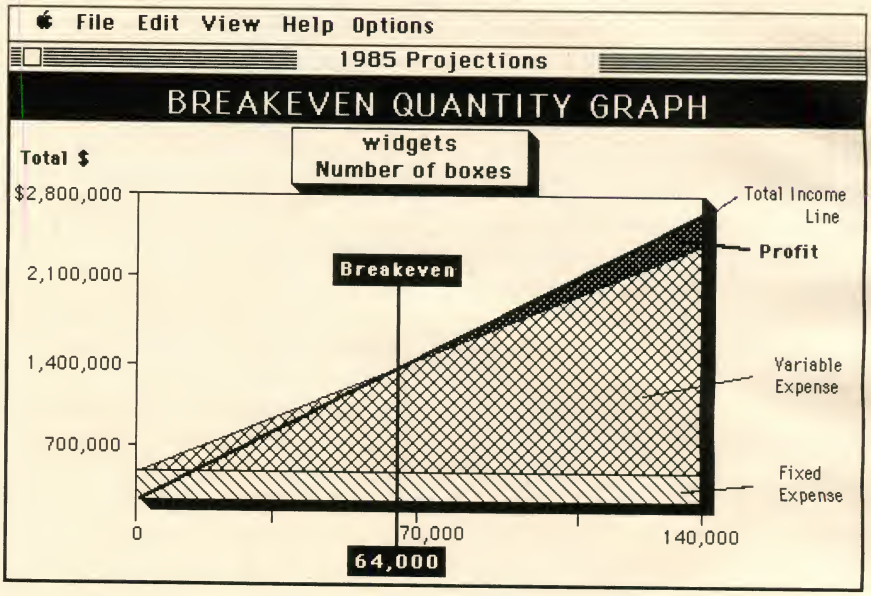
System Requirements: 128K Macintosh; one disk drive.

The Profit Projector/Breakeven Analysis program is designed to answer questions like, "Which product is most profitable?" or "How many items do I have to sell to break even?" Its purpose is to give business managers the information and analyses they need to make effective business decisions.

First, the program calculates profit to give the user a thorough and detailed comparison between the various enterprises of a business. This allows the manager to pinpoint profitable and unprofitable parts of the business.

Second, the program can reduce guesswork by taking all decision-making factors into consideration—interest rates, market conditions, production costs, inflation, and others. It will then analyze present costs and project future expenses to show the soundness of investment options and marketing decisions.

Third, the program can help support the financing decisions of a business by providing information on its cash flow, budget forecasting, and debt-load capacity. This gives the manager the data required to obtain and justify the business' financing needs.



Available from your dealer or:
Harris Technical Systems
624 Peach Street
P.O. Box 80837
Lincoln, Neb. 68501
402-476-2811
Retail Price: $65
Release Date: September, 1984

Profit Projector/Breakeven Analysis can help answer critical marketing-strategy questions about actual or proposed products (in this case, widgets) by determining the number of products a company needs to sell to break even or make a profit.

The Sales Edge

Selling; prospect evaluation

System Requirements: 128K Macintosh; one disk drive.

The Sales Edge is a program designed to help salespeople increase their closing ratios and improve their relationships with prospects and clients.

The program evaluates the human factors affecting sales performance and then prints out reports that reveal which tactics will work best with the prospect in question. It also teaches how to prepare customer-specific sales presentations, including opening and closing strategies.

The user is asked to agree or disagree with a long list of characteristics that describe himself or herself. Then the user goes through the same kind of list for his customer. The Sales Edge then takes the results of these two assessments and prints out the strategies the sales person can use that will most likely result in a successful sales call between the two personalities.

MACTHINK

Idea management; project development

System Requirements: 128K Macintosh; one disk drive.

MACTHINK teaches, reminds, and helps a user to think and act more effectively. It can aid in the development of "expert systems," avoiding the need to go through a complex solution process for recurring business and personal problems.

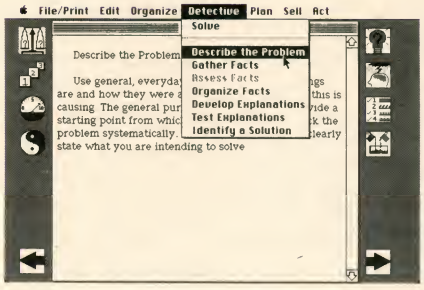
More specifically, MACTHINK helps a user learn critical and creative-thinking concepts, skills, and techniques. It also helps a user become and remain organized while working on problems and plans.

MACTHINK can be used to identify problems that deserve immediate attention, to select and follow correct problem-solving procedures, and to develop a plan of action. In addition, it helps a user present plans persuasively to those in a position to provide support, and it helps implement and measure the results of a project once the project is accepted and implemented.

MACTHINK houses three Idea Generation Aids designed to help a user create new projects and find new ways to solve old problems. They are Individual Brainstormer, Checklist Questioner, and Category Combiner. In addition, the program contains six interactive Decision Making Aids—Prioritizer, Rater, Evaluater, Pro and Con Analyzer, Categorizer, and Relater—that can be used to help make systematic decisions.

The program will also save work in progress, so a user can return to the spot where he or she left off if not yet finished, and it can generate progress reports for intermediate analysis of ideas and projects being developed.

Available from your dealer or:
Organization Development Software, Inc.
1605 South Garden Street
Palatine, Ill. 60067
312-397-1684
Retail Prices: $185 MACTHINK
$20 Demo/Tutor Disk
Release Date: October, 1984

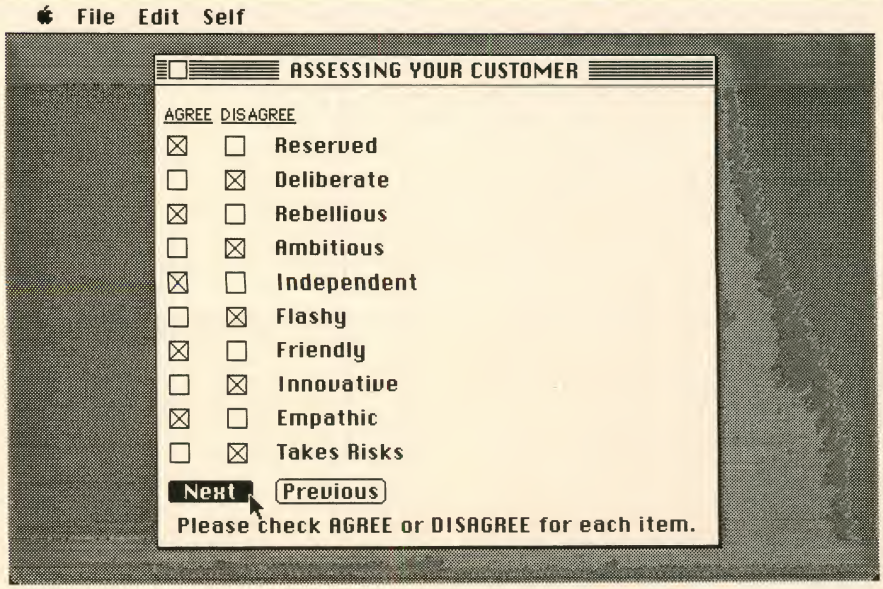


MACTHINK helps you through the problem-solving process using three methods: Detective, for finding out what happened; Creative, for figuring out how to make something happen; and Scientific, for discovering what happens under certain conditions.

The Macintosh makes the program easy to use, since the user just points and clicks the mouse throughout the assessments.

Available from your dealer or:
Human Edge Software Corporation
2445 Faber Place
Palo Alto, Calif. 94303
415-493-1593
Retail Price: $250
Available now

The Sales Edge helps salespeople develop sales strategies that have high chances of success. The program draws conclusions and reports what tactics should be used.



The Management Edge

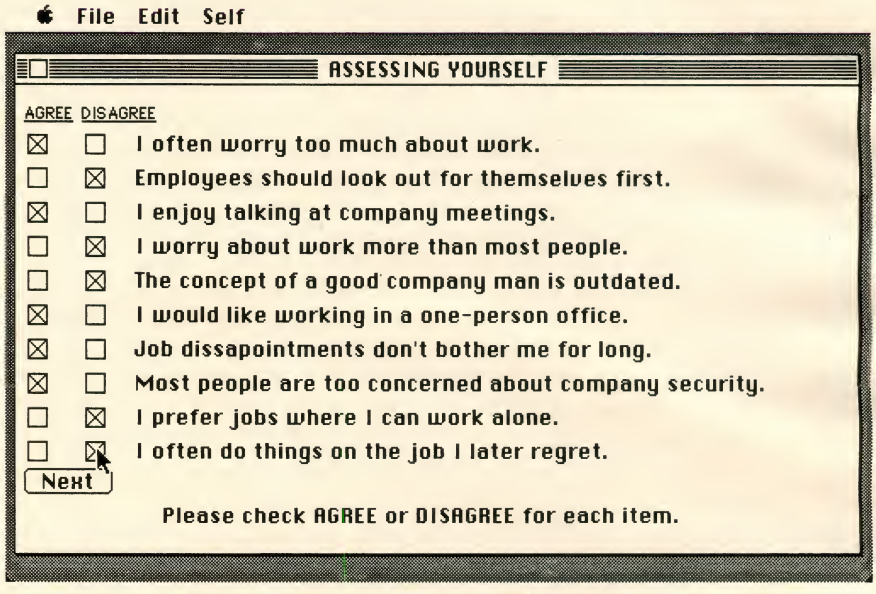
People management

System Requirements: 128K Macintosh; one disk drive.

The Management Edge, an expert-system software program for the Macintosh, offers a user—who may be a supervisor or manager in a business setting—specific, ongoing advice tailored to match his or her personality and the personalities of the people he or she supervises.

The program provides the user with detailed management strategies that are designed to improve overall business or department effectiveness. Because it is an interactive system it can also offer the same time-tested management strategies that are built around the personal characteristics of user-selected subordinates. In other words, it duplicates the same advice that is often received from high-priced management consultants.

Using The Management Edge on the Macintosh may allow a user to work more effectively with superiors, help motivate subordinates to higher productivity levels, and improve communications between a user and his or her staff.



The Management Edge asks the user to make a self-assessment, agreeing or disagreeing with a list of personality and character traits. When compared with a similar assessment the user makes of another person, the program then compares the two assessments and comes up with recommendations.

Available from your dealer or:
Human Edge Software Corporation
2445 Faber Place
Palo Alto, Calif. 94303
415-493-1593
Retail Price: $250
Release Date: October, 1984

The Negotiation Edge

Negotiating; strategy

System Requirements: 128K Macintosh; one disk drive.

The Negotiation Edge is an expert-system program on the art of negotiation. It takes the expertise of many negotiators and puts it all to work figuring out how the program user can end up in the best possible position after a negotiating session.

Many corporations hire expensive consultants to develop negotiation strategies. The Negotiation Edge uses the same techniques as the experts and can be a valuable advantage in negotiating situations of all sizes.

The program gives the user specific advice for an upcoming situation, advice that is tailored to the user's personality and the personality with whom the user will be dealing. The user first evaluates himself—telling the computer about himself—by agreeing or disagreeing with each item on a list of personality characteristics. He then does the same for his opponent.

The computer then takes all this infor-

The Communication Edge

Communicating; personal evaluation

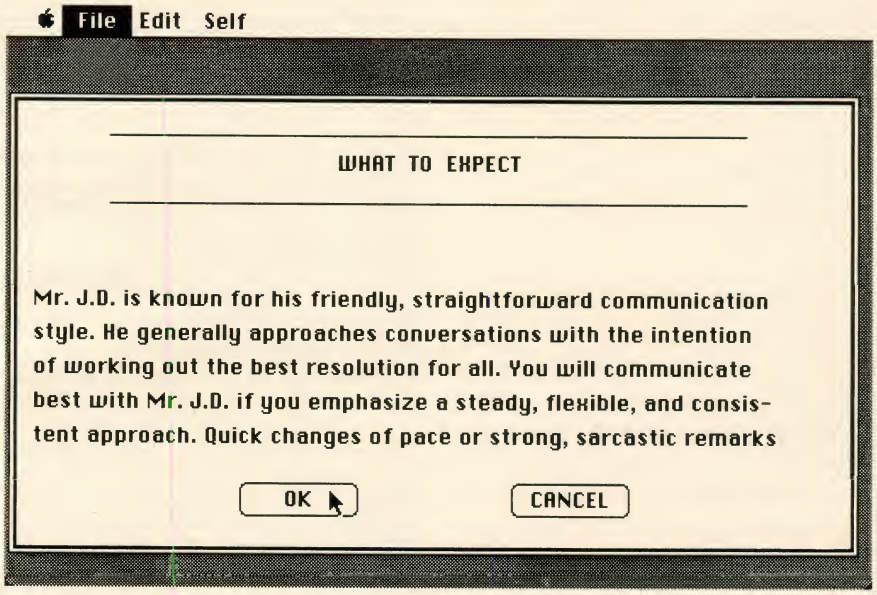
System Requirements: 128K Macintosh; one disk drive.

The Communications Edge for the Macintosh is an expert-system software program that helps a user prepare himself or herself to deal effectively with important meetings and conversations with other people. It helps a user emphasize inherent strengths and avoid the pitfalls built into any vital business or personal conversation.

In essence, the program is easy to use on the Macintosh and it offers detailed, state-of-the-art communications strategies. These strategies, which the program produces in the form of a written report, can be tailored to match a user's individual communications style and to suit the tastes and interests of any individual or group a user needs to communicate with.

mation, evaluates it, and displays the strategies most likely to get the best possible results for the user.

Available from your dealer or:
Human Edge Software Corporation
2445 Faber Place
Palo Alto, Calif. 94303
415-493-1593
Retail Price: $295
Release Date: October, 1984



Each report tells a user what to expect from a particular type of individual or group of people, how to get along with this individual or individuals, and how to focus a conversation so that points can be made clearly and understood by all parties involved. Each report also provides advice to a user on how to best present himself or herself in order to reach an agreement with the individual or group being addressed.

Available from your dealer or:
Human Edge Software Corp.
2445 Faber Place
Palo Alto, Calif. 94303
415-493-1593
Retail Price: $195
Release Date: September, 1984

The Communications Edge for the Macintosh is an expert-system software package that helps a user face important business meetings and personal conversations with others. The program produces reports that tell a user how to deal with the individuals being addressed. These reports also tell a user how to present himself or herself in the best possible way.

MasterType

Typing tutorial

System Requirements: 128K Macintosh; one disk drive. Inclusions: A novice and an advanced version.



MasterType for the Macintosh is an instructional typing game that is actually two games in one. It includes a basic game for beginning typists and an advanced game for more experienced typists.

The program's game approach to learning is designed to remove the intimidating feelings that many users experience when faced with educational software that is either too hard to use or too cumbersome to understand. It is also designed to attract users to the package over and over again, so they can progress through its successive levels and become better typists.

The program is made up of 18 separate levels that concentrate on letters, words, and symbols, and make good use of the Macintosh's graphic capabilities. It actually uses these graphic capabilities, in an outer-space setting, to allow a user to protect his or her Command Ship against attacks from enemy word stations that appear in each corner of the screen.

As these enemy stations fire letters and increasingly complex words at the Command Ship a user must type in the same letters or words and press the space bar on the Macintosh keyboard to fend off each attack. These missions or games get more difficult as a user progresses through the program's levels.

MasterType is also available for the Apple II, II+, IIe, and IIc; the Commodore 64; all Atari home computers; and the IBM PC, PC-XT, and PCjr.

Available from your dealer or:
Scarborough Systems, Inc.
25 N. Broadway
Tarrytown, N.Y. 10591
800-882-8222
Retail Price: $49.95
Release Date: September, 1984

MasterType is an educational program that teaches Macintosh users, age six to adult, how to type by involving them in an outer-space "war" of letters, symbols, and words. The program comes with a beginners', and an advanced version included, and it has 18 separate levels that a user must successfully get through in order to become a Master typist.

MacEdge
Education

System Requirements: 128K Macintosh; one disk drive.

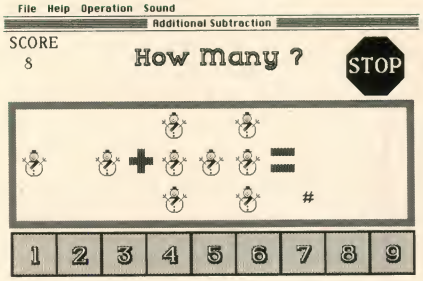
MacEdge is an educational package designed to enhance children's math and reading skills from the primary to the junior-high level.

The mathematics programs emphasize concept development and numeral recognition. The primary math programs use objects to add and subtract, and lead up to the use of numerals. The intermediate levels provide practice with basic multiplication and division, while the advanced levels encourage children to compute with larger numbers.

The reading portion of the disk challenges children to help the mouse locate and fill in words while they learn new phonic skills. Reading vocabulary is developed through various games of memory and matching. The primary level provides practice in recognition of compound words and contractions while the advanced levels identify synonyms and antonyms.

High-resolution graphic screens and symbols support reinforcement at every level. Sound is also important, and MacEdge makes use of the Macintosh four-voice music synthesizer to generate attractive, "play-along" music.

Available from your dealer or:
Think Educational Software
16 Market Street
Potsdam, N.Y. 13676
315-265-2666
Retail Price: $49
Release Date: August, 1984



The MacEdge math programs progress in a step-by-step manner beginning with the use of objects to add and subtract. The programs are highly motivational and reinforcing, making use of several different game formats.

Writing Skills
Writing tutorial

System Requirements: 128K Macintosh; one disk drive.

Writing Skills is a program to help students and adults identify and correct common writing mistakes. The five-volume series addresses topics from possessives/contractions and antecedents, to subject-verb agreement and problems of consistency.

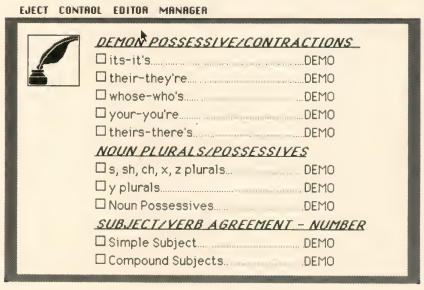
Writing Skills is designed for business people, students in junior high school through college, professional writers, and anyone else to whom accurate, written communication is important.

Rather than teach a comprehensive course, each volume has a test the user takes to diagnose writing-problem areas and determine which topics should be covered. Each lesson is monitored continuously and gives confirming feedback on all responses.

The Macintosh mouse, pull-down menus, and MacWrite editing features are used to help the student recognize problems and correct them. A built-in editor allows the user to correct errors hidden in the written passages on the screen, while the program evaluates performance and reports the results.

Writing Skills is random in its selection of writing errors—the user won't see the same set of mistakes every time the program is used. In addition, the program will keep track of the scores of up to 40 students.

Available from your dealer or:
Microteacher, Inc.
12760 High Bluff Drive
San Diego, Calif. 92130
619-481-4106
Retail Price:
$39.95 each volume
Release Date: November, 1984



Writing Skills is an interactive writing-skills tutorial that helps writers of all ages improve their accuracy. The program works with the user to correct common writing mistakes, and is customized to each user's needs as determined by a simple, on-screen test.

DietMac

Diet and nutritional analysis

System Requirements: 128K Macintosh; one disk drive; one extra disk.

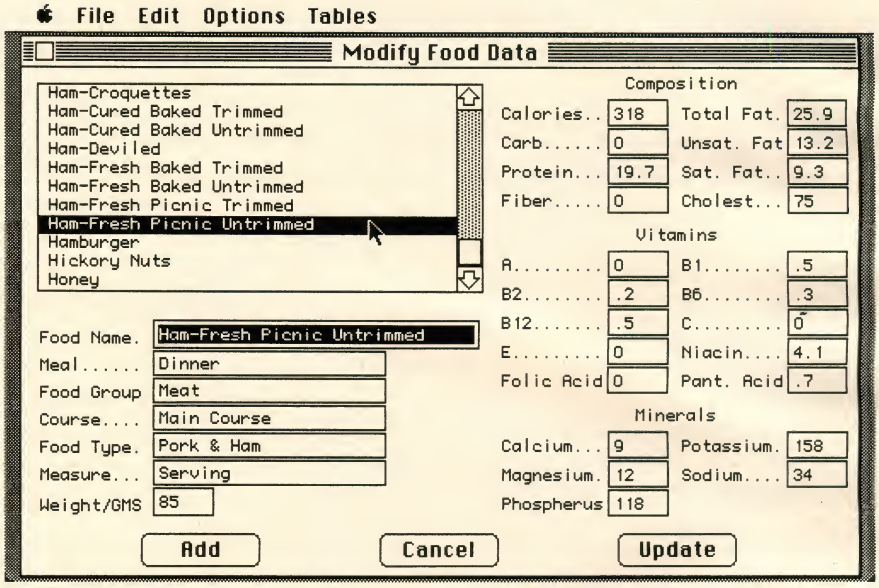
DietMac is a program that helps with nutritional analysis of various foods and food combinations, and helps to make up specific dietary menus.

You select a food from the built-in data base of 700 foods, or from any subset defined by one or more of 10 different criteria. For example, you may want to specify a subset of foods that belong in the Meat Group, are used as the main course for lunch, and are made with beef.

The program will then show a list of foods meeting those criteria. To see the nutritional composition of any one of them, simply select it and click with the mouse. If it's acceptable, click "ADD" and the food will be included in your menu.

The composition of an entire meal, such as lunch, can be examined just by clicking on "Lunch." To see the composition of a single food, click on the food name. To see the whole day's nutritional composition, click on the title bar of the menu window.

To take a food out of one meal and put it in another meal, all you have to do is use the Macintosh's unique cut-and-paste capabilities. The same procedure is used to move or copy foods from one day to the next. Once a menu is set, it can be printed out for reference.



The Macintosh makes it easy to use DietMac for planning nutritious or special-diet meals. Selecting a food from a menu will tell you its nutritional composition, and selecting an entire meal from the menu will tell you its total composition. These are only two of the many ways the program can be used.

For people on restricted diets the program can be used to add some excitement to what often turns out to be a pretty boring menu. Diabetics can make sure that their food composition remains stable from meal to meal and day to day. Patients on cholesterol or salt restriction can keep an eye on these components. And everyone can watch calories.

DietMac has educational value, too. Over a period of time a person will become aware of the nutritional makeup of various foods without always consulting the computer. The data base is expandable so you can add specific foods and their composition. These additions, then, are available for selection and analysis just like those that are built into the program.

Available from your dealer or:
Data Systems, Inc.
810 Peakwood Dr., Suite 107
Houston, Texas 77090
713-440-6943
Release Date: October, 1984

Presenting . . .
the complete presentation maker . . .

The Slide Show™ Magician

Lets you make Macintosh* slide shows with movie-type special effects!

Now, for business meetings . . . sales presentations . . . in-store and store window demonstrations . . . for classroom use . . . for home fun!

Anything you can put on a Mac screen can be used with the Slide Show Magician . . . from Multiplan® spreadsheets and MacWrite** copy to pictures, graphs, words and charts. You can control every frame with your Mouse or let the entire show run automatically, even run continuously as an unattended display!

There are 16 dramatic, movie-type special effects you can use to create extra attention. And, right on the screen you can place the specific control buttons you want to click: start, next frame, back-up, jump (to a specific frame), pause/resume, quit.

Want Subliminal Messages in your show? The Slide Show Magician lets you put them in, as well as superimpose blocks of text over key pictures.

Naturally, you can edit your show — shift a frame, eliminate a frame, add or delete special effects, select the time before a frame change. And you can use the supplied screen-borders (like a stage curtain which opens) or quickly prepare your own.

Now you can create the most interesting slide shows **this side of Hollywood!** And thanks to the Mac's portability you can take it with you right to a customer's desk, the boss' office, to school, to meetings. Or, set it on a counter or in your store window and let the show run and run and run.

Get the Slide Show Magician today, it's good business. Need art help to make an impressive slide show? See the McPic! information that follows.

Only $59.95
For details, see below.

McPic!™ Volumes 1&2

Here's push-button art for the Mac! A combined total of over 300 useful, usable pictures you can use "As Is". Or, with MacPaint/MacWrite you can customize, clone, combine or change them to suit your needs!

Vol. 1 has its library of pictures in 12 individual Scrapbooks from Business to Holiday to Animals to Symbols. Vol. 2's unduplicated pictures are in MacPaint** files, and cover everything from Science, Exotica, Maps and Flags to the People Maker which lets you make your own people from dozens of heads, eyes, mouths, hats, torsos, accessories etc!

Each volume has a different Hint Manual which graphically shows you how to make a thousand picture variations! No competitive program is so complete, so useful, so usable! For business, for school, for home, for anyone who needs or wants to create invitations, cards, flyers, stationery, ads, reports.

Available now at your computer store.

Vol. 1 **McPic!** with 28 page Hint Manual. $49.95
Vol. 2 **McPic!** with 36 page Hint Manual. $49.95
The Slide Show Magician. $59.95

VISA/MASTERCARD accepted. Add $2.00 shipping/handling for 1 program. $3 for 2 programs. $4 for all 3. (Cal. residents please add 6 1/2% tax.)

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**Trademarks of Apple Computer Inc.

Magnum SOFTWARE
21115 Devonshire St. Ste. 337 • Chatsworth, Ca. 91311 • (818) 700-0510

Circle 37 on Reader Service Card

Investment Planning Series

Investment planning

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Microsoft Multiplan.

The Investment Planning Series is made up of five separate software programs that can be used to evaluate personal-investment portfolios. Each program in the series runs on the Apple Macintosh in conjunction with Microsoft Multiplan.

The first program in this series is the Stock-Portfolio Planner. It keeps accurate records, including dividends, appreciation, and realized and unrealized gains from the sale of stock. It can also generate either an industry analysis, tax analysis, or risk analysis, which helps determine the profit potential on individual stocks using calculations based on stock beta coefficients and high-low estimates.

The second program in the series, Real Estate Investment Planner, produces a five-year analysis for a real estate tax-shelter investment. This program also projects income, expenses, taxable income, cash flow, after-tax cash flow, gains from the sale of real estate, and net present value of rental properties.

The third program, Investment Portfolio Planner, lets a user keep accurate records of earnings and appreciation on all investments. It also generates a summary report to help detect unbalanced or poorly performing portfolios.

The fourth program in the Investment Planning Series, Loan Planner, calculates monthly loan payments on long-term loans received for major purchases. In addition, it can be used to produce a 15-year summary of the interest and principal costs of each loan.

The fifth and final program in the series is IRA vs. CD Planner. It calculates the difference between investing in an individual retirement account (IRA) and a certificate of deposit (CD). It compares an IRA investment to a taxable CD investment, and helps determine if the IRA really is a better choice for a particular individual.

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Real Estate Planner

	1984	1985	1986	1987	1988
Income (Rent)	11000	13970	14948	15994	17114
Expenses:					
1st Mort. Int	15732	20906	17355	20736	20627
2nd Mort. Int	3125	3750	3750	3750	1563
Points	833	833	833	0	0
Depreciation	25000	27500	22500	20000	17500
Insurance	1083	1343	1397	1453	1511
Utilities	1500	1890	2003	2124	2251
Maintenance	833	1058	1132	1212	1297
Property Tax	2083	2521	2546	2572	2597
Misc Expenses	0	0	0	0	0
Taxable Income	-39190	-45832	-36569	-35852	-30231

The Real Estate Planner, one of five programs in the Investment Planning Series for the Macintosh, produces a five-year analysis of real estate tax-shelter investments. Other programs in the series help track and evaluate stock and other investment portfolios; calculate long-term loan payments, principal, and interest; and analyze the difference between IRA investments and taxable CDs.

Available from your dealer or:
Apropos Software, Inc.
64 Hillview Ave.
Los Altos, Calif. 94022
415-948-7227
Retail Prices:
$95 All five programs
$49.95 Real Estate Investment Planner
Available now

Dow Jones Market Manager PLUS

Investment management

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Modem and printer.

Dow Jones Market Manager PLUS is a personal portfolio-management program for home and business users of the Apple Macintosh. The program tracks portfolio information that is critical in making timely, intelligent investment decisions.

Market Manager PLUS can maintain multiple stock portfolios, appraise financial positions, print reports on portfolio status, and produce overall security-holdings

Dollars and Sense

Financial management

System Requirements: 128K Macintosh; one disk drive.

Dollars And Sense is a powerful, full-featured financial-management program for home and personal use. It's useful for anyone who wants to keep better track of home finances, organize tax data, and plan future finances.

The program is fully integrated with the Macintosh user interface—mouse, icons, windows, pull-down menus, dialogue boxes, and scroll bars.

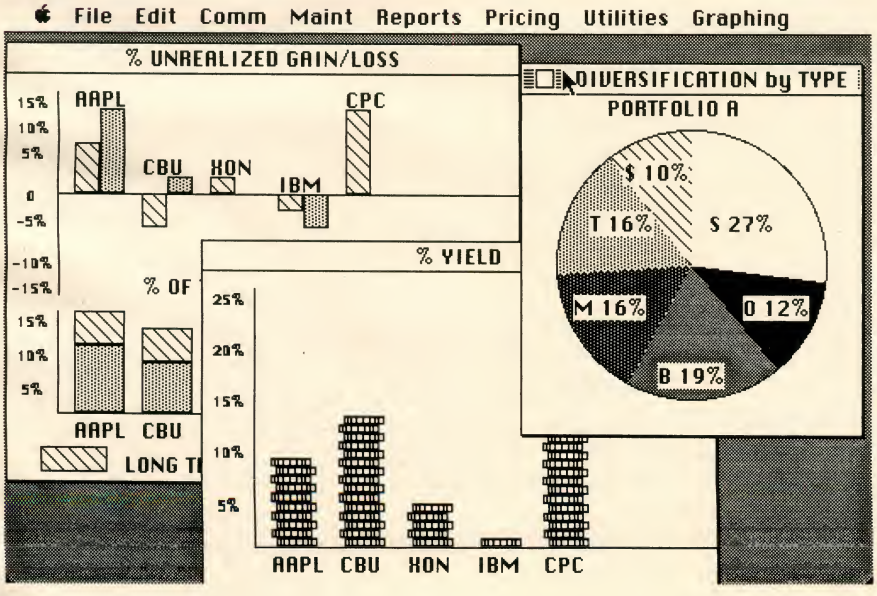
Dollars and Sense includes sample sets of household, business, and income-tax accounts so the user doesn't have to build them from scratch. They can be modified, however, for specific requirements.

For financial analysis, the program can do "what-if" calculations. By not storing entries, the user can experiment with different decisions and see the results.

The program is large enough to handle the needs of even very complex personal finances. It will keep track of up to 12 checking accounts, 120 record-keeping categories, handle 25 sets of up to 100 automatic transactions, and can store 2,000 transactions on one Macintosh disk.

Other features include graphics capability for comparing up to 24 groups of accounts and a running balance that is always displayed for account items.

Available from your dealer or:
Monogram
8295 South La Cienega Blvd.
Inglewood, Calif. 90301
213-215-0529
Retail Price: $149.95
Release Date: August, 1984



The Dow Jones Market Manager PLUS program for the Apple Macintosh can help a home or business user make investment decisions by tracking and maintaining multiple stock portfolios and graphically displaying year-to-date gains, losses, and other critical information.

reports. In addition, it features automatic dialing and log on to the Dow Jones News/Retrieval service.

Other program features include comprehensive tax-lot accounting; capacity for 500 open tax lots; full-commission accounting; automatic dividend distribution; automatic stock-split routines; a detailed holdings report by security and portfolio; a complete year-to-date, realized gain/loss tax record; graphic reporting; an option-expiration alert; and MacWrite compatibility.

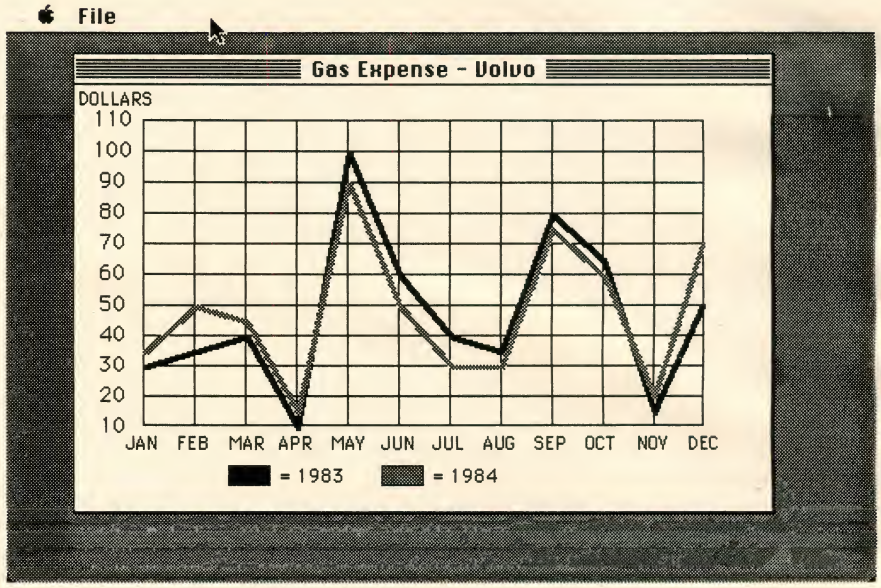
The program is fully supported by Dow Jones & Company's Customer Service Hotline, and it requires a modem and a printer for full utilization of its capabilities.

Available from your dealer or:
Dow Jones & Company, Inc.
P.O. Box 300
Princeton, N.J. 08540
800-257-5114
Retail Price: $299
Release Date: October, 1984

The Home "Mac" Accountant

Financial management

System Requirements: 128K Macintosh; one disk drive. External disk drive and printer recommended.



The Home "Mac" Accountant is a version of the popular program, The Home Accountant, that makes use of the advanced features of the Macintosh. It not only keeps track of personal financial matters, but also shows them in graphic form for easy evaluation.

The Home "Mac" Accountant is a detailed, multi-function accounting system for managing home and personal finances. It is modeled after the popular package, The Home Accountant.

The program makes maximum use of the Macintosh mouse, pull-down menus, and other features of its user interface. It was designed to be easy to use and to make sense out of home financial management.

Many of the program's features are intended to speed up the money-handling exercises everyone has to go through. The program will handle up to 50 automatic transactions a month, any number of checking accounts, money-market funds, cash accounts, and credit cards. It keeps track of up to 100 names and addresses of people with whom the user normally does business.

Tax planning and preparation is also made easier. The Home "Mac" Accountant allows the user to set up income-tax record formats so that up-to-date, tax-information summaries can be easily printed out when needed.

One important feature of any finance program is the number of useful reports it can generate. Many are available in this program, such as personal balance sheet, net worth statement, income and expense summary, cost of living report, and others.

Other functions include an automatic home-mortgage amortization calculator, the ability to split transactions between expense or tax categories, the capability to print checks, a built-in payment and appointment reminder, a powerful graphing feature, and the ability to forecast future financial goals and retirement.

The program can store up to 3,000 transactions on a diskette, which makes a second, external drive desirable if a person's finances are at all complex.

Available from your dealer or:
Arrays, Inc./Continental Software
11223 South Hindry Ave.
Los Angeles, Calif. 90045
213-410-3977
Retail Price: $150
Release Date: October, 1984

You picked the right computer.

Now pick the right *software.*

In the beginning Apple* promised to revolutionize the computer industry with their new Macintosh*, and you believed them.

You bought your Mac*, explored MacWrite* and MacPaint*, and developed a healthy respect for Mac* technology.

After a while you decided to expand the Mac's* capabilities with some of the great software you'd been hearing about.

The search began with a visit to the dealer who sold you your Macintosh*.

Remember your dismay when you discovered the shelves stocked with more promises than programs?

And that you felt dismay every time the experience was repeated, in store after store?

When you finally did find some Mac* software, it was limited to one or two areas, and none of it really capitalized on the Mac's* unique features.

What could you do other than keep looking, hoping that some company would understand your plight and do some creative programming?

We were as excited as you by the Macintosh*. Our programmers realized immediately that a whole new era of software was about to begin. They looked for ways to use the special characterstics built into the machine in the most logical ways—form following function—maintaining the natural "friendliness"of the Mac*.

MacNotes™ was born first. What better way to use the Mac's* unique word-processing abilities than with a program to write letters?

MacNotes™ includes 100 letters for different occasions. All you have to do is fill in the blanks in each pre-written letter, and with the click of a mouse you can create personalized letters.

And of course, you can keep a record of your correspondence on a flexidisk, or convert it to hard copy with the push of a button.

We think it's a revolutionary idea—the hardest thing about using **MacNotes™** is finding a stamp!

Hot on the heels of MacNotes™ was the **Home Executive™.** We felt that, although the Macintosh* was created for an office environment, it's so easy to work with it would thrive at home, too.

Because today, running a home is a business.

The Home Executive™ consists of nine sub-programs, all aimed at organizing your home. It includes an address book, appointment book, calendar, checkbook, collector's list, gift list, household inventory, portfolio, and financial analyzer.

If you've lost one of those tiny scraps of paper you find yourself using to scribble important information on, you can appreciate the beauty of having an easily-accessible copy at your fingertips—literally.

Our programmers are "techies" who can appreciate having all the formulas they need in one place, leaving them free to create. So their next brainstorms were **Macfinance™** and **MacEngineer™.**

MacFinance™ has been designed to allow you to do sophisticated financial calculations without the need to set up complicated spreadsheets. Just click the mouse and you can calculate anything from net return on your investment to the net worth of a multimillion dollar corporation.

MacEngineer™ is a series of programs that will free the engineer from his textbook algorithms, and calculate anything from the stress on an I-beam to the Q of a transistor in the blink of an eye.

Part of the beauty of the Macintosh* is that it fits into any environment, be it a home or an office. So we made our programs affordable, and readily available. You can find Superex Macintosh* programs at your local computer store for under $100 each.

Superex believes in these programs. And in the new ones on the way to you . So we support our programs with a toll-free hotline. You can reach us daily from 9 am to 6 pm at (800) 862-8800. In New York, call (914) 964-5200. If you want to place an order, have a question, need more information, or have a great idea for a new program, we'd love to hear from you.

Superex International Marketing

Not a new way. Just a better way.

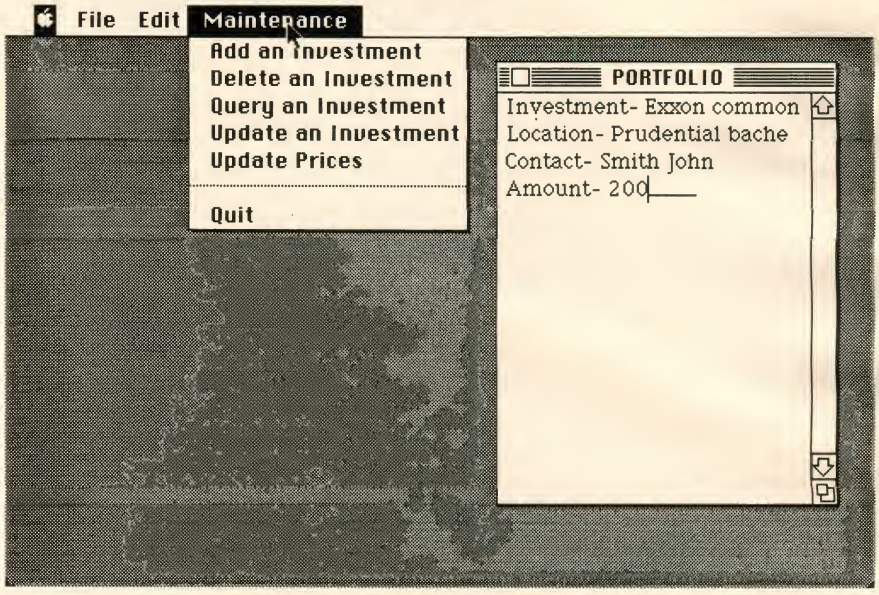
©Superex International Marketing, Ltd., 151 Ludlow Street, Yonkers, NY 10705.

*Apple and Macintosh are trademarks.

The Home Executive

Home-management software

System Requirements: 128K Macintosh; one disk drive. Inclusions: Nine individual programs.



The Home Executive is actually nine programs in one. It can be used by any Macintosh owner to plan, organize, and run a household. Its nine separate program functions or modules include an Address Book, Appointment Book/Calendar, Checkbook, Collector's List, Expenses, Financial Analyst, Gift List, Household Inventory, and a Portfolio.

Many Macintosh owners purchased their machines to help plan, manage, and run their homes as well as their businesses. The Home Executive is a software program that will help them do just that. It's a useful tool that can save an average home owner both time and money.

The program is actually made up of nine individual programs, each with its own report generator. The first program in this series is the Address Book, which lets a user record up to 3,000 addresses and/or phone numbers on a single diskette. This program is easy to update and, since it contains a built-in report generator, copies of its contents can be printed out to be used as needed.

The second program, Appointment Book/Calendar, keeps track of daily schedules and reminds users of upcoming events. The third, Checkbook, reconciles bank statements, tracks up to 3,000 transactions per diskette, and can flag deductions for tax purposes.

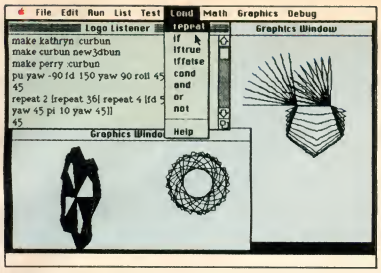
The fourth program in The Home Executive, Collector's List, can record an item, place of purchase, cost, current worth, and amount of appreciation for any valuable collection ranging from stamps and coins to art. The fifth program, Gift List, keeps track of gifts exchanged with friends and relatives and offers additional space to record future gift ideas throughout the year.

The sixth program in this series, Household Inventory, records insurance and replacement information about valuables found in a home, including date of purchase, cost, current value and location, and serial numbers if applicable. The seventh program, Portfolio. The Home Executive, records complete financial-transaction information from contract name and date of purchase though the sale of any investment. At tax time this program can also be used to automatically calculate net gains and losses.

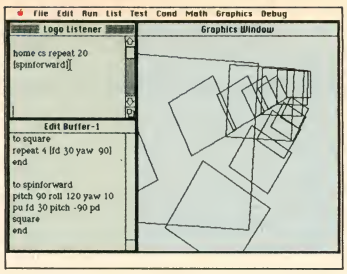
The eighth program in The Home Executive, Expenses, can generate an itemized printout or expense report, including individual dates, places, types, and amounts of expenses by category or payee, that can be attached to a tax return.

The final program in The Home Executive, Financial Analyst, consists of four subprograms. They are Loan Analyzer, which determines monthly payments on a fixed-rate loan or mortgage; Monthly Deposit, which calculates compound interest; Monthly Annuity, which determines how much of an initial investment to make on individual retirement accounts, etc., in order to withdraw a specified monthly amount at some point in the future; and Future Value, which calculates how much initial investments will be worth at some future date.

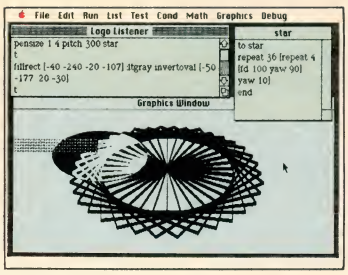
Available from your dealer or:
Superex International Marketing, Ltd.
151 Ludlow Street
Yonkers, N.Y. 10705
800-862-8800
Retail Price: $89.95
Release Date: September, 1984



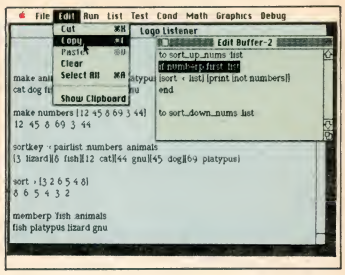
Multiple Windows



3-D Graphics



Quickdraw



List Processing

ExperLogo *for the Macintosh*™ is a powerful adaptation of the Logo computer langauge. ExperLogo excells at Logo's traditional role as an educator in our homes and schools while it assumes a new role as a powerful programming development tool.

ExperLogo's innovative features include:

- *2-D, 3-D and Spherical Graphics*
- *Compiled Speed*
- *Powerful Data File Input/Output Capability*
- *Ability to Process Data Using Arrays*
- *Expanded Set of List Processing Primitives*
- *Friendly Mac-like User Interface*
- *Easy Access to the Macintosh Toolbox*

exper logo™

The Prodigy Comes Of Age!

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Circle 39 on Reader Service Card

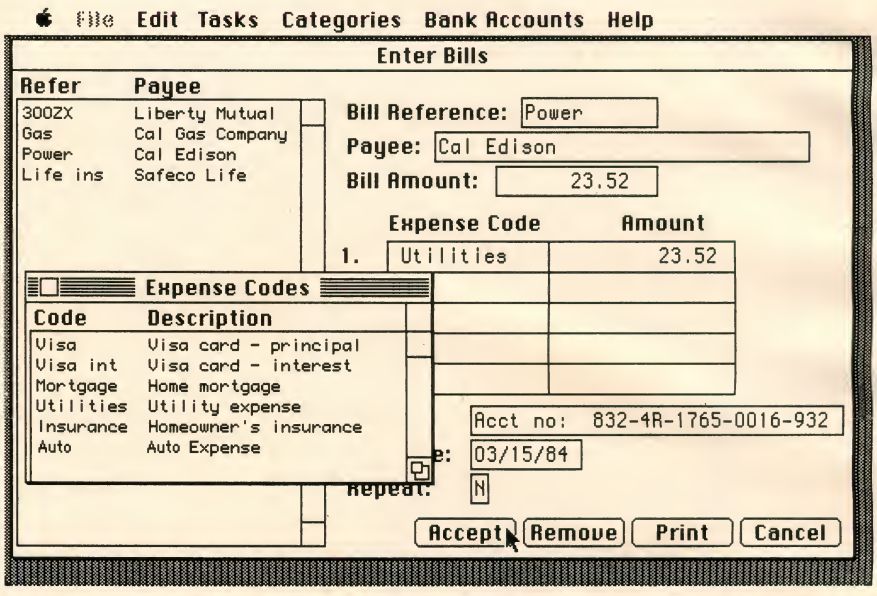
Electric Checkbook

Financial management

System Requirements: 128K Macintosh; one disk drive.

Electric Checkbook provides a Macintosh user with everything he or she needs to set up and maintain personal and home finances on the Macintosh, including paying bills, reconciling checkbooks, maintaining records of all checks, and analyzing income and expenses by category.

By eliminating unnecessary tasks that most home users don't need to perform anyway, such as maintaining a chart of accounts and wading through needless pages of documentation, the program allows a user to concentrate on just the financial matters that are relevant to personal uses. In addition, it has no complicated menus or codes to learn and remember.



The Electric Checkbook is a bill-oriented system. In other words, everything in the program centers around the bills a user has to pay. It lets a user set up and record bills for payment either on a one-time or recurring basis; selectively pay who, when, and what; use handwritten or computer-printed checks; selectively distribute expenses to predefined categories; update its check register; maintain all checking-account activity; and perform bank reconciliations automatically.

The program comes complete with a tutorial and practice data that's been written in a similar style as Apple's standard Macintosh documentation. It should be easy for current Macintosh users to understand and use.

Available from your dealer or:
State of the Art, Inc.
3191-C Airport Loop
Costa Mesa, Calif. 92626
714-850-0111
Retail Price: $79.95
Release Date: November, 1984

The Electric Checkbook is a bill-oriented software program that Macintosh owners can use to handle personal and household checking accounts. With it a user can selectively pay a bill owed to any creditor or payee, set up and record bills for payment on a one-time or recurring basis, use handwritten or computer-printed checks, perform bank reconciliations, and more.

Financial Planning Series

Personal financial planning

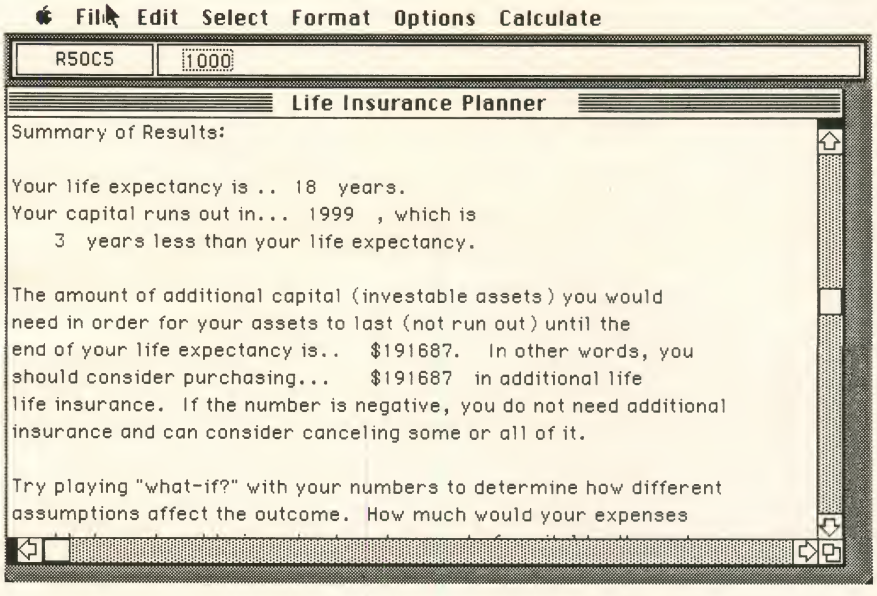
System Requirements: 128K Macintosh; one disk drive. Special Requirements: Microsoft Multiplan.

The Financial Planning Series is a collection of five separate software programs or templates designed to make a user an accomplished financial planner. The series is meant to be used on the Macintosh in conjunction with Microsoft Multiplan—a spreadsheet package.

The first program in the series, Personal Tax Planner, calculates and helps to prepare IRS tax forms in the manner prescribed by the federal government. Forms currently included are the standard 1040 and a Schedule A for itemized deductions. A complete line of tax forms, linked together so that all schedules automatically update the 1040, will be available from the manufacturer of this program after the IRS publishes all its 1984 tax forms.

The second program in the series, Home Budget Planner, produces a budget of income and expense items that can be projected over a period of one year. It also summarizes and compares major expense categories and calculates the amount of monies suitable for investment purposes.

The third program, Investing For College Planner, helps determine the amount of money that needs to be set aside in a special fund each year in order to provide a college education for a user's children. Tuition and other costs are automatically inflated on an annual basis during the period a child would attend college. Then this program indicates the annual contribution to the fund necessary to cover such expenses. An analysis is given at the end of the program to summarize costs and determine alternative financing plans.



The Life Insurance Planner, one program in the Financial Planning Series, calculates the amount of life insurance necessary to provide financial support for a family, assuming the death of a working spouse or parent. Like all programs in this series, it must be used in conjunction with Microsoft Multiplan.

The fourth program in this series, The Life Insurance Planner, calculates the amount of life insurance necessary to provide financial security for a family. It does so by projecting income and expenses into the future, assuming the death of one spouse. Some of the factors taken into consideration in this analysis include inflation, social security, and investment rates.

The fifth and final program in the series, Auto Buy vs. Lease, calculates the true cost of buying or leasing a new car. This program automatically calculates the repayment period and terms of a car loan and, if the car is used for business, it can also be used to determine available depreciation and tax credits.

Available from your dealer or:
Apropos Software
64 Hillview Ave.
Los Altos, Calif. 94022
415-948-7227
Retail Prices:
$95 All five programs
$50 College Planner only
Available now

UCSD PASCAL DOES IT AGAIN!

The good news is now you can write your Apple™ applications in the language programmers love — choosing the development environment that works for your needs. UCSD Pascal® The Original, fully developed industry standard is now available in two versions designed specifically to run on the Apple™ Macintosh.™ SofTech Microsystems makes it all possible by creating the best of all worlds — CHOICES. Depending on your needs, you have available the p-System development environment or the MAC development environment. Either system allows you to write and execute compiled, UCSD Pascal programs on the Macintosh without fuss or complications.

The p-System for the Macintosh offers UCSD Pascal, with extensions to interface with a set of popular Macintosh features, a useful set of development utilities, a full function screen editor and a file manager. If you're familiar with the p-System or Apple Pascal you'll feel right at home with this product. FORTRAN-77 is also available.

Our compilers generate compact code allowing you to write complex applications on the 128K MAC. Plus, our languages are truly integrated with the development environment.

Edit with ease. When an error is detected while compiling, the editor may be invoked and positioned at the statement in error. For the first time, professional programmers now have available a full set of advanced development tools, **including a 68000 Assembler** and a symbolic debugger.

Want to run totally under the Mac environment? We provide a development system that does. It includes a mouse-based editor, a UCSD Pascal compiler, and program development utilities that operate totally in the Macintosh OS environment. Our UCSD Pascal compiler offers a compiled language that runs on a 128K machine. In addition, your applications can have a total Macintosh interface.

What does that mean to you? Access to virtually all Mac ROM routines. Overlapping windows. Pull-down menus. the Clipboard. Desk Accessories. And, of course, the mouse!

You'll find that UCSD Pascal goes MAC. And a lot of other places too.

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SofTech Microsystems, Inc.
16875 W. Bernardo Drive
San Diego, CA 92127

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11/84

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Customer Sales and Support
SofTech Microsystems, Inc.
16875 W. Bernardo Drive
San Diego, CA 92127

NOW 2 WAYS TO GO MAC

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Circle 40 on Reader Service Card

Macintosh 512K

Computer system

Apple Computer, Inc. recently introduced Macintosh 512K, a version of the popular Macintosh computer with four times the internal memory of the original Macintosh. The additional memory allows larger documents and models as well as faster performance than the 128K system.

Apple also announced the Macintosh 512K memory-expansion kit, which converts Macintosh 128K computers to Macintosh 512K units. Customers can now choose the Macintosh model that best meets their needs, or can start with the low-cost version and expand to the more powerful Macintosh later.

Like the original model, Macintosh 512K is an easy-to-use personal computer for business. The 512K system offers the following benefits over Macintosh 128K:

Larger documents and models—Macintosh 512K allows customers to create larger documents and models than Macintosh 128K. For example, one can create project schedules with 10 times the number of tasks in MacProject, or drawings and charts with 10 times the number of objects in MacDraw, or spreadsheets with 50-percent larger models.

Faster response—Since Macintosh 512K has more memory for programs and data, programs spend less time accessing the disk. As a result, Macintosh 512K responds more quickly to commands than Macintosh 128K.



Growth path—Customers that buy 128K units can convert to 512K bytes of memory later. Macintosh can grow as a customer's needs grow.

For those who need even more power, the Lisa 2/10 is really a "Big Macintosh." It runs Macintosh software, but in more memory, on a larger screen, and with a built-in, 10-MB hard disk.

Customers who purchased the original Macintosh can expand to 512K bytes of memory just by exchanging the digital board inside the unit. This takes about 10 minutes of a dealer technician's time.

Macintosh 512K runs the same software as Macintosh 128K. Most applications can take advantage of the additional memory, while others will require it. For example, Lotus Development Corp. is developing a version of their Symphony program for Macintosh 512K. The program is a powerful integrated application that takes full advantage of Macintosh's mouse, graphics, and ease of use.

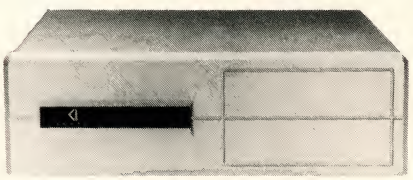
For further information, contact your Apple Computer dealer or:
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, Calif. 95014
800-538-9696
Retail Prices:
$3,195 Macintosh 512K
$2,195 Macintosh 128K
$995 512K expansion kit
Available now

Davong Mac Disk

Disk drives

System Requirements: 128K Macintosh; one disk drive.

Davong Mac Disk systems are Winchester hard-disk storage systems for the Macintosh. They enhance the usefulness of the machine by increasing its capabilities to perform a variety of business tasks, such as word processing, data-base management, and other data-intensive applications.



The Davong Mac Disk, a Winchester hard-disk system that's available now for the Apple Macintosh, comes in a wide selection of drive sizes, including 10, 15, 21, 32, and 40 megabytes. Each drive also comes pre-installed and preformatted. All a user has to do to get up and running is turn it on.

Davong Mac Disk systems are available in a wide selection of drive sizes, including 10, 15, 21, 32, and 40 megabytes, and all drives are pre-installed and preformatted. This means all a user has to do to get up and running is power up the drive.

Each Davong Mac Disk system comes with a backup and restore utility that allows a user to save files on floppy disks. Other backup options include file-name wild cards, select files changed since last backup, and select reference files. Another useful utility function of these drives is that all disk heads automatically park a full seven seconds after power is shut down, which avoids damage to both the heads and the disk in the event of an accidental shut off.

Each Mac Disk system also comes with a volume-management feature that allows a user to divide a disk into multiple volumes or sections, and select the appropriate volumes that are available for current use.

Available from your dealer or:
Davong Systems, Inc.
217 Humboldt Court
Sunnyvale, Calif. 94089
408-734-4900
Retail Prices:
$2,395 10MB
$2,795 15MB
$3,295 21MB
$3,995 32MB
$4,495 40MB
Release Dates:
Available now—10 and 15MB
November, 1984—21, 32, and 40MB

QC10

Hard-disk drive

System Requirements: 128K Macintosh; one disk drive.

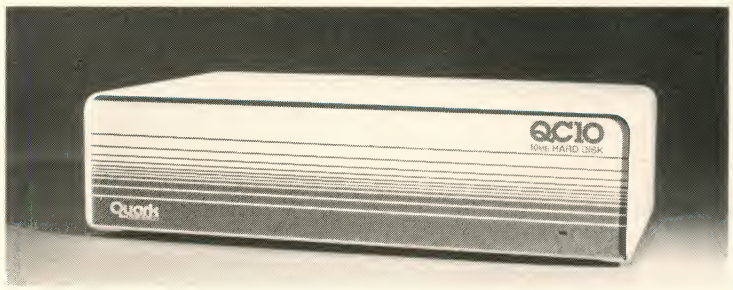
The QC10 Hard Disk is the first hard-disk storage system to use the Macintosh's external floppy-drive port instead of one of the machine's two serial ports. Users who already own an external floppy-disk drive for their Macintosh may plug it directly into the QC10.

The QC10 can store 10 megabytes of information, or the contents of more than 65 floppies. This gives a user the equivalent of nearly 5,000 pages of information ready for instant retrieval. The QC10 can also be organized as a single 10MB drive, as mentioned, or it can be divided into smaller storage areas called "volumes." These volumes can be created by the dozen, in virtually any size needed, for virtually any Macintosh use.

When using the QC10 as a single 10MB volume the entire disk will be dedicated to the Macintosh operating system. When using multiple volumes each separate volume can be dedicated to a different operating system. As an example, this would give a user 5MB capacity to use with the Macintosh, 3MB for an Apple IIc, and 2MB for an Apple III. The exact configuration, of course, would depend on a user's application needs.

Each separate QC10 volume can be password protected, meaning that a user can set up passwords, or special code names, to limit or prevent access to data stored in a particular volume. For instance, one volume might contain sales information, so a bookkeeper can be assigned a password that allows complete access. Another employee could be given a password that lets him read, but not write on the volume. Those employees not needing access to this information would not be assigned a password, although they may continue to have access to other volumes they do need to work with.

As previously referred to, the QC10 can also be used with an Apple IIe, an Apple IIc, and an Apple III, in addition to the



Macintosh. Converting from one computer to another is accomplished by flipping one of two switches on the back of the disk drive and changing cables.

Available from your dealer or:
Quark Peripherals, Inc.
2525 West Evans Ave., Suite 220
Denver, Colo. 80129
800-543-7711
Retail Price: $1,995
Release Date: October, 1984

The QC10 Hard Disk lets a Macintosh user store 10 megabytes of information, which is the equivalent of 65 floppy disks or nearly 5,000 pages of information. It can be set up as a single 10MB drive, or it can be broken down into dozens of smaller storage areas called "volumes."

HabaDisk

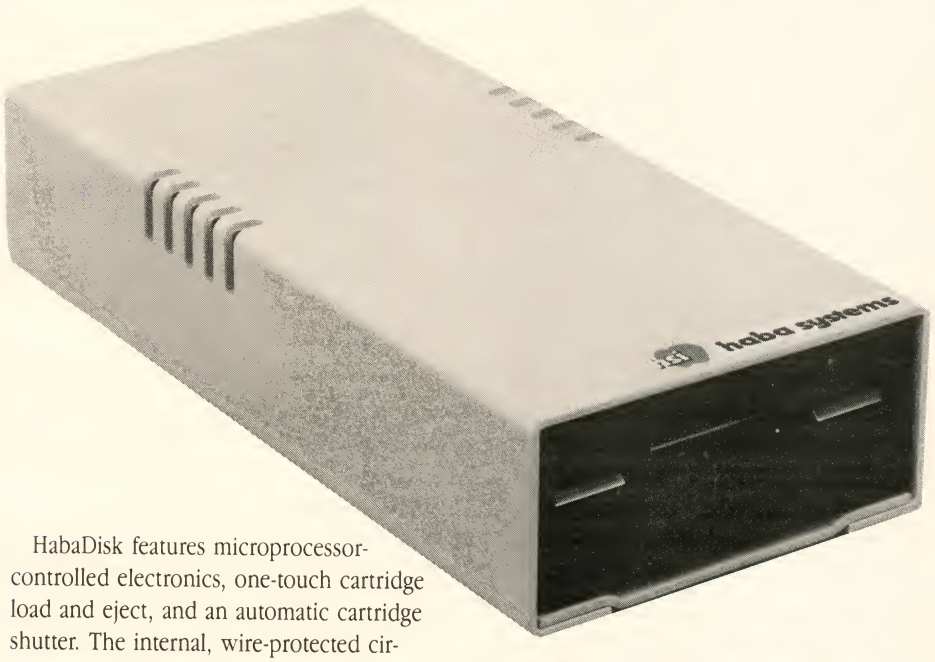
Disk drive

System Requirements: 128K Macintosh; one disk drive.

The HabaDisk is an external drive for the Macintosh that uses the 3.5-inch micro disk. The drive takes advantage of the full capacity of the disks, 409K each, just like the drive in the Macintosh itself. This doubles the storage capacity of the standard Macintosh.

With HabaDisk you can use the computer's internal drive for program software and the external drive for data storage. This increases the speed of the system and reduces the need for disk swapping in the single, internal drive.

HabaDisk connects easily to the Macintosh—just plug it in. No additional hardware is needed, and it operates just as easily as other Macintosh peripherals. Its design, color, style, and small footprint make it fit right in with the Macintosh system.



HabaDisk features microprocessor-controlled electronics, one-touch cartridge load and eject, and an automatic cartridge shutter. The internal, wire-protected circuitry and direct-drive, brushless DC motor will contribute to the drive's life span. Track-to-track operating time is six milliseconds.

Available from your dealer or:
Haba Systems, Inc.
15154 Stagg Street
Van Nuys, Calif. 91405
818-901-8828
Retail Price: $495
Release Date: September, 1984

The HabaDisk is a plug-in disk drive that doubles the disk storage capacity of the standard Macintosh. It is styled to match the Macintosh and operates as easily as other Macintosh peripherals.

Micro-Design Hard Disk Systems for Macintosh

Disk drives

System Requirements: 128K Macintosh; one disk drive.
Inclusions: Some systems include removable, hard-disk cartridges; all systems include hardware; cable; and instructions.

Micro-Design Hard Disk Systems for Macintosh personal computers can provide users with five, 10, or 20 megabytes of additional disk storage.

Each Micro-Design Hard Disk System runs faster than a floppy-disk drive and takes less time to perform file and system operations, such as Open, Save, Print, and Disk Copy. All of a Macintosh user's current programs, except for copy-protected software, can be made available to a user on a Micro-Design Hard Disk at any time without having to swap floppy disks in and out.

For example, a user can keep MacWrite and MacPaint on a Micro-Design Hard Disk, and cut and paint pictures and text more quickly than with separate disks on a single floppy-drive Macintosh.

Micro-Design Systems use removable hard-disk cartridges, in five or 10-megabyte capacities, that can be traded in or out like floppy disks. When more disk space is needed a user just adds another cartridge to his or her stock.

Micro-Design's 5+5 or 10+10 systems allow a user to make a backup of a hard disk or a hard-disk cartridge to another hard-disk cartridge of the same capacity. This means that confidential information on a separate cartridge can be stored in a safe place. And all Micro-Design Hard Disk Systems are Apple-bus compatible, so several Macintosh computers can be networked together to share a single hard disk.

There are four different Micro-Design systems to choose from: a five-megabyte, removable hard-disk cartridge system; a 5+5 system, which includes two five-megabyte, removable hard-disk cartridges with 10 megabytes of storage on line; a 10-megabyte, removable hard-disk cartridge system; and a 10+10 system, which is a 10-megabyte, fixed hard-disk drive paired with a 10-megabyte, removable hard-disk cartridge that provides 20 megabytes of storage on line.

Available from your dealer or:
Micro-Design
6301 Manchaca Road
Austin, Texas 78745
800-531-5002
Release Date: October, 1984



Micro-Design's 10+10 Hard Disk System for the Macintosh, pictured here, is one of four such Macintosh-specific, hard-disk systems produced by the company. The 10+10 system features a 10-megabyte, removable cartridge and a 10-megabyte, fixed hard-disk drive, providing 20 megabytes of on-line storage. Extra cartridges can be added at any time for additional storage.

MacDrive Hard Disks

Disk drives

System Requirements: 128K Macintosh; one disk drive. Inclusions: All units come with appropriate cables and software.

The MacDrive product line is a series of four fixed and removable hard-disk drives for the Apple Macintosh, consisting of the MacDrive 5, with a five-megabyte, removable hard-disk cartridge; the Two MacDrive 5, with two five-megabyte, removable hard-disk cartridges; the MacDrive 10, a 10-megabyte, fixed hard-disk drive; and the MacDrive 10+5, a 10-megabyte, fixed hard-disk drive with a five-megabyte, removable hard-disk cartridge.

Both the MacDrive 5 and the Two MacDrive 5 hard-disk systems offer Macintosh users high-density, mass data storage and high-speed data access. The removable cartridge that comes with the MacDrive 5 can be stored at another location for security purposes, or it can be taken out and used on another MacDrive unit. The MacDrive two-cartridge unit, on the other hand, provides a user with two-drive operation and the ability to use the second cartridge as primary storage or as a backup.



Tecmar offers several options in hard-disk drives—combinations of both fixed- and removable-disk configurations. This allows the user to have both hard-disk primary storage and hard-disk backup capabilities.

The MacDrive 10 and the MacDrive 10+5 fixed, hard-disk drives also offer high-speed data storage and retrieval, but they are usually reserved for larger applications. Both systems are capable of storing more information than could be stored on 25 Macintosh microfloppies, and the MacDrive 10+5 features additional backup capability through its included five-megabyte, removable hard-disk cartridge.

All of these hard-disk units communicate with a Macintosh via its RS-422 serial modem port, and an additional port is included on the back of each drive's cabinet. These two ports can be used simultaneously for multiple hookups.

In addition, each MacDrive unit comes with its own on-board Motorola 68008 microprocessor that, when linked to the Applebus, acts as an intelligent file server. Each MacDrive unit also comes with all the cables and software necessary to facilitate installation and allow a unit to be up and running in minutes.

Available from your dealer or:
Tecmar, Inc.
6225 Cochran Road
Solon (Cleveland), Ohio 44139
216-349-0600
Retail Prices:
$1,995 MacDrive 5
$3,290 Two MacDrive 5
$1,995 MacDrive 10
$3,290 MacDrive 10+5
Available now

Corvus OmniDrive

Hard-disk drive

System Requirements: 128K Macintosh; one disk drive. Inclusions: Software diskette; 15-foot interface cord.

The Corvus OmniDrive for the Macintosh is a Winchester hard-disk storage system with available storage capacity of up to 45 megabytes. With it, thousands of individual data files can be stored for on-line access by Macintosh users.

Groups of files can be organized on the Corvus OmniDrive into volumes, each of which appears to the user as a diskette with up to several times the capacity of a standard Macintosh microfloppy. And access to the OmniDrive is provided through the Macintosh's standard user-interface routines. System software provided with the Macintosh is not altered in any way.

The Corvus OmniDrive connects to the Macintosh via a single cable that plugs into the drive on one end and the Macintosh's RS-422 connector on the other. It also comes with a standard AC power cord and a single software diskette that takes about five minutes to install before the drive is ready to run. In addition, the OmniDrive comes with a 15-foot interface cord that allows a user to place the drive where he or she wants.

For maximum convenience and speed

Continued on page 152

running with the Macintosh the Corvus OmniDrive has been equipped with a standard-disk configuration that divides available disk capacity into a series of large volumes, or virtual floppies. In turn, each volume will hold as many as 128 files of varying sizes. Depending on drive size, then, as many as 512 files can be created on a 5.5-megabyte OmniDrive, and up to 2,176 files could be established on a 45.1-megabyte system.

For the Macintosh user who has requirements for volume sizes other than those of the standard configuration, a utility is provided that allows an OmniDrive to be configured as desired.

Corvus OmniDrives also come with a mount-manager utility that permits two volumes to be loaded or mounted concurrently by the Macintosh or vice versa. This mounting and unmounting of volumes can be accomplished through the computer's mouse with no disk swapping and no media or head cleaning necessary.

Available from your dealer or:
Corvus Systems, Inc.
2100 Corvus Drive
San Jose, Calif. 95124
408-559-7000
Retail Prices:
$1,795 5.5-megabyte drive
$2,495 11.1-megabyte drive
$3,195 16.6-megabyte drive
$4,995 45.1-megabyte drive
Available now



The Corvus OmniDrive for the Macintosh is a hard-disk storage system that's available in versions with up to 45 megabytes of storage capacity. It connects to the Macintosh via a single cable, and all files can be loaded or downloaded by clicking the computer's mouse.

Volksmodem

Modem

System Requirements: 128K Macintosh; one disk drive. Special Requirements: G Cable adapter; a nine-volt battery; and a compatible communications software program.

The Volksmodem gives an Apple Macintosh telecommunications capabilities. With it a user can access the Dow Jones News/Retrieval Service, check the latest stock listings, read editorials from major business periodicals, or access many other data bases.

Volksmodem is not an intelligent modem. For example, it won't store telephone numbers, but it is one of the least-expensive modems available on the market.

One switch on top of the Volksmodem box allows a user to select between full or half-duplex modes, or the protocols required by various data bases that can be accessed by the public. A second switch allows a user to choose between talk and data modes.

A user's telephone plugs into a telephone jack permanently mounted in the modem. To access a data base via the telephone, Volksmodem must be switched to the talk mode. As soon as the user hears a tone indicating that the data base being called has been reached, he or she must manually switch the modem over to data mode.

After this initial log-on process is complete a menu appears on the Macintosh screen that offers users a choice of subject areas from which to request data.

Other Volksmodem features include 300-baud operation, plug compatibility

with any wall phone, CMOS (Complementary Metal-Oxide Semiconductor), low-power circuitry, automatic selection of originate/answer mode, and standard nine-volt battery power with approximately two years battery life.

Volksmodem can be connected directly to a Macintosh via the computer's modem port with a G Cable adapter. When equipped with the G Cable, Volksmodem will operate on all Macintosh communications software packages.

Available from your dealer or:
ANCHOR AUTOMATION, INC.
6913 Valjean Ave.
Van Nuys, Calif. 91406
818-997-6493
Retail Prices:
$79.95 Volksmodem
$12.95 G Cable with phone cord
Available now

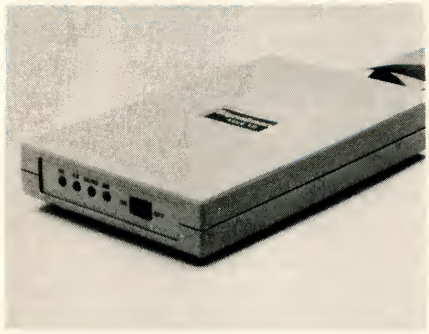


Volksmodem offers inexpensive telecommunications capabilities when used with the Macintosh and a G Cable adapter. Purchasers of the product receive a limited, lifetime warranty and a discount on a subscription to The Source.

Signalman Mark XII

Modem

System Requirements: 128K Macintosh; one disk drive. Special Requirements: A compatible communications software package. Inclusions: A standard RS-232 serial interface with built-in cable; an on-board CMOS microcomputer; two telephone jacks; a cord; and a 110-volt AC power adapter.



The Signalman Mark XII modem, from ANCHOR AUTOMATION, INC., is a Hayes-compatible, 300/1200-baud modem with supporting features such as a low-power CMOS microcomputer for lower power consumption and higher reliability.

The Signalman Mark XII is a 300/1200-baud, auto-dial/auto-answer modem available for the Macintosh. It emulates the same command structure as the industry-standard Hayes Smartmodem 1200 and it offers a similar array of operating functions.

For instance, the Mark XII can be operated manually via the Macintosh keyboard without coding, or it can be set to automatically answer and originate phone calls at a maximum 1200 baud for Bell 212A compatibility, or at 300 baud for Bell 103 compatibility. The Mark XII can also detect dial-tone and busy signals, and display dialing status on screen.

The Mark XII also operates in either full-duplex or half-duplex modes. Full-duplex mode allows the simultaneous transmission of data in either direction, like a voice telephone line, while half duplex requires that one party wait to transmit until the other is finished.

In addition, the Mark XII houses an on-board CMOS (Complementary Metal-Oxide Semiconductor) microcomputer that results in low power consumption and high reliability. The modem uses a standard RS-232 serial interface with a built-in cable, and comes equipped with two telephone jacks—one for an attendant phone. The Mark XII can also be connected directly to a wall telephone outlet.

Available from your dealer or:
ANCHOR AUTOMATION, INC.
6913 Valjean Ave.
Van Nuys, Calif. 91406
818-997-6493
Retail Price: $399
Available now

Signalman Mark X

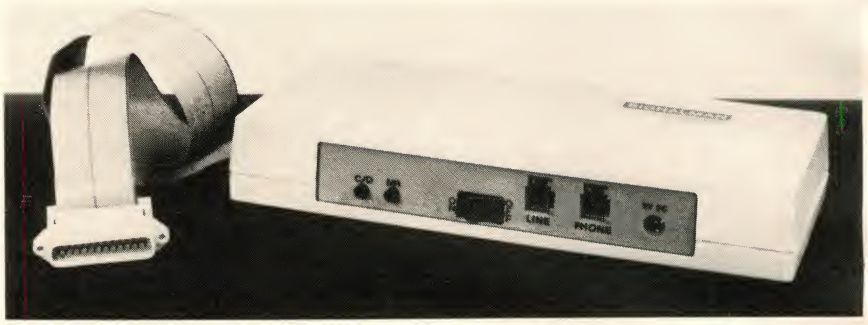
Modem

System Requirements: 128K Macintosh; one disk drive. Special Requirements: A compatible communications software package. Inclusions: A standard RS-232 serial interface with built-in cable; an on-board CMOS microcomputer; two telephone jacks; a cord; and a 12-volt power supply.

The Signalman Mark X is a smart, 300-baud auto-dial/auto-answer modem for the Apple Macintosh. It operates with most popular communications packages, and it can work manually through a keyboard without computer coding. It also works automatically, answering and originating calls at 300 baud for Bell 103 compatibility.

The Mark X can detect dial-tone and busy signals and automatically display dialing status on screen. In addition, an on-board CMOS (Complementary Metal-Oxide Semiconductor, a technology characterized by low power consumption) microcomputer, which decreases heat output and RF (radio frequency) interference, has been added to achieve low power consumption and higher reliability.

The Mark X uses a standard RS-232 serial interface with a built-in cable, and it comes equipped with two telephone jacks—one for an attendant phone—a cord, and a 12-volt power supply. It can also be connected directly to a wall telephone outlet.



The Signalman Mark X auto-dial/auto-answer modem from ANCHOR AUTOMATION operates at 300 baud and features an on-board CMOS microcomputer for low power consumption and higher reliability.

Available from your dealer or:
ANCHOR AUTOMATION, INC.
6913 Valjean Ave.
Van Nuys, Calif. 91406
818-997-6493
Retail Price: $169
Available now

Printer Optimizer

Printing control center

System Requirements: 128K Macintosh; one disk drive; printer.

The Printer Optimizer is a control center that expands the capabilities of printing hard copies from the Macintosh and allows several printers to be connected at one time.

The unit has a spooler that operates as a buffer. It receives and holds data waiting to be printed so the computer can go on with other tasks while the printer is working. The standard capacity of the spooler is 64K, and it's expandable to 256K.

A user can have the Optimizer make several original copies of a document, thereby eliminating the need for the computer to send a print command for each copy.

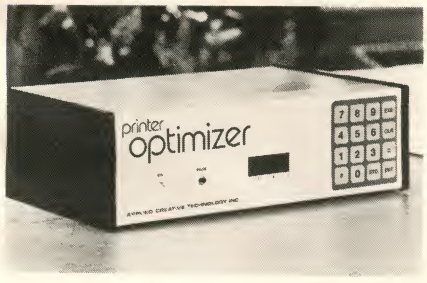
There is also a random-access feature that allows the merging of text, graphics, mailing labels, and any other printable data, regardless of the source.

The Printer Optimizer has the capability of adapting practically any printer in existence to the Macintosh or Lisa. In can also interpret data coming out of the computer, such as translating MacWrite data into a form understandable by a daisy-wheel printer. While this can be done with software in many cases, the Optimizer takes over in those instances when a certain program just won't work with a specific printer.

And finally, the Optimizer allows up to three printers to be connected to the Macintosh or Lisa, in any mix of serial or parallel variety. For example, one could connect an Imagewriter, a daisy-wheel printer, and a plotter, all at once. Then all that's necessary is to push a button to tell the Optimizer which one to use for a specific printing task.

There is one new option available that allows several Macintosh computers to be connected to one printer through the Optimizer. At press time there were no details on price or availability.

Available from your dealer or:
Applied Creative Technology, Inc.
2156 W. Northwest Highway, MS303
Dallas, Texas 75220
(214) 556-2916
Retail prices:
$598.00 The Printer Optimizer with two outputs: 1 serial and 1 parallel
$647.00 The Printer Optimizer with three outputs: 2 serial and 1 parallel
Available now



The Printer Optimizer combines print buffering with 64K to 256K capacity, multiple printer connections and switching, printer remote control, multiple copies, job control, and also insures software-hardware compatibility between programs and virtually any printer.

The Mach I and Mach II Video Display Systems

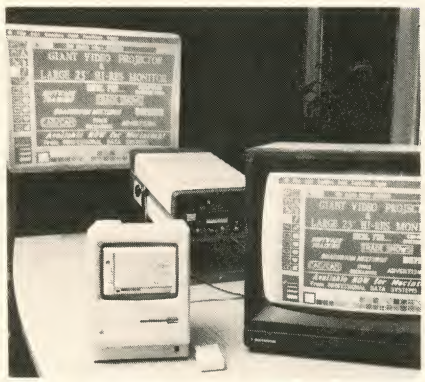
Video display systems

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Users must ship their Macintosh computers to the manufacturer for installation and system integration. Inclusions: Mach I includes an external video card, monitor, and 25 feet of video cable; Mach II comes with an external video card, projector, five-foot screen, cables, and a hand-held light pointer.

The Mach I and Mach II Video Display Systems for the Apple Macintosh computer can reproduce the Macintosh's CRT display on a 23-inch, high-resolution monitor, or on a giant screen measuring up to 10 feet across.

Applications for this technology include computer instruction, software demonstrations, trade shows, board meetings, stock-exchange displays, airline displays, advertising, and many other uses where the ability to present information to a large group of people is important.

The Mach I system is a 23-inch, high-resolution monitor which comes in either white or green long-persistence phosphors, and includes an external video card, monitor, and 25 feet of video cable. Operating at the Macintosh's high horizontal-scanning frequency of 22 kilohertz, it produces a high-resolution picture averaging 800 x 400 pixels. Several Mach I monitors can be linked in series to meet multiple video-display requirements.



The Mach I and Mach II Video Display Systems reproduce the Apple Macintosh's CRT display on either a 23-inch, high-resolution monitor or a giant screen up to 10 feet across, respectively. They can be used in almost any situation where it is important to display information to a large number of people.

The Mach II is a video-projection system capable of producing an 850 x 500-pixel, high-resolution picture that can project images on to a flat or curved, high-gain screen measuring up to 10 feet across. Its projector can be ceiling mounted for permanent installation or mounted on a rolling cart.

Continued on page 156

The Mach II system comes equipped with an external video card, projector, a five-foot screen, all cables, and a hand-held, planetarium-style light pointer.

Both Mach Video Display Systems require that purchasers ship their Macintosh computers to the manufacturer of the systems for the installation of an internal video card and complete system integration. Unit prices include this installation and a 90-day warranty on parts and labor.

Available from your dealer or:
Professional Data Systems
20 Sunnyside Ave.
Mill Valley, Calif. 94941
415-383-5537
Retail Prices:
$1,995 Mach I
$6,495 Mach II
Available now

SENSORBUS Sensor Interface Modules

Sensing network

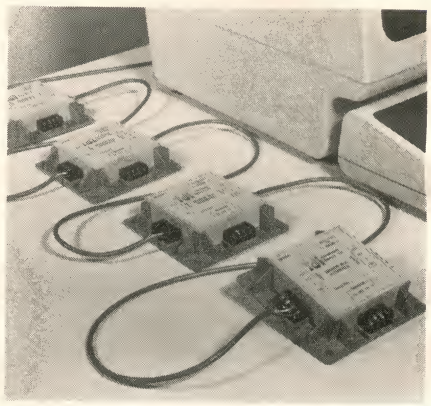
System Requirements: 128K Macintosh; one disk drive. Special Requirements: Power supply; computer-interconnect cable; and network cable. Inclusions: The above special requirements are included in the Starter Kit.

SENSORBUS Sensor Interface Modules create a complete input-output network for the Macintosh by providing a convenient link between the computer's digital RS-232 port and standard sensors, actuators, and output devices. A wide range of sensors can be used with these modules, including devices that measure pressure, temperature, strain, acceleration, position, and potential.

Output devices can include lights, alarms, relays, or solenoids for controlling valves or motors. The resulting SENSORBUS network provides a low-cost way to obtain accurate sensory information and control of factory automation, laboratory research, process control, robotics, and other data-acquisition applications.

Three types of SENSORBUS modules are available now. The first, the SB2004A, is a general-purpose, sensor-input module. In addition, two channels of thermocouple input can be obtained with the SB2004M module. The third module, the SB2004X, is a dual-channel, output-control module. All three can be combined on the same network.

In a SENSORBUS network, interface modules are located near the sensor or control site. They are linked together serially on a single four-wire cable connected to the Macintosh. In addition to power, the cable contains an address line that allows the Mac to randomly access each module. It also contains a data line to communicate digital information back to the Macintosh.



SENSORBUS Sensor Interface Modules can be used to create a low-cost, random-access network that provides a convenient link between a personal computer, or other data-processing system, and physical sensors that measure parameters such as pressure, temperature, strain, acceleration, position, or potential.

Additional SENSORBUS modules can be added to the network at any time up to a maximum of 32 per RS-232 port on a single four-wire cable.

A SENSORBUS network itself consists of the appropriate modules, a power supply, and interconnecting cables. The manufacturer of the modules offers a choice of either the SBPS-32 power supply for powering up to 32 modules, or the SBPS-5 power supply for powering five modules. Cables are also available from the same source to connect a Macintosh to the appropriate power supply and the first SENSORBUS module in the network.

A SENSORBUS starter kit, model SB2004K, is also available. It includes five SB2004A modules, an SBPS-5 power supply, a computer-interconnect cable, and 25 feet of SENSORBUS network cable.

Available from your dealer or:
Transensory Devices, Inc.
44060 Old Warm Springs Blvd.
Fremont, Calif. 94538
415-490-3333
Retail Prices:
$180 each, SB2004A and SB2004X modules
$370 each, SB2004M modules
$895 for the starter kit
Available now

OMNI-READER

Character reader

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Compatible word-processing, data-base, or spreadsheet software. Inclusions: A dedicated microprocessor.

The OMNI-READER is a hand-held, optical character reader that can read and transfer text into a Macintosh word-processing or some other program, eliminating the need for repetitive text and data-entry via a keyboard. It attaches to the Macintosh through the computer's RS-232 serial port.

In addition to entering text into existing documents, it can be used to transfer text between incompatible computer/word-processing systems without the need for retyping, for inputting tables of data or new data into spreadsheets or data-base programs, entering text for electronic mail, and storing and editing documents for electronic filing.

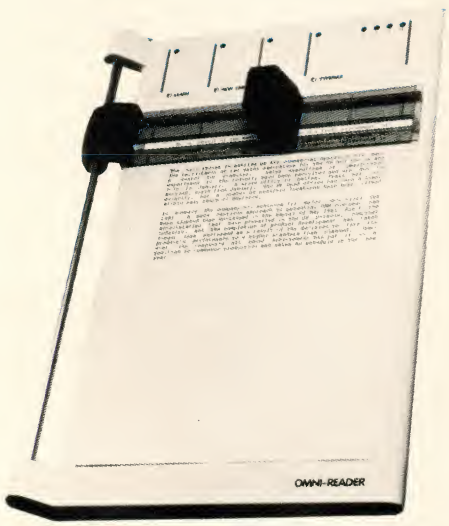
OMNI-READER is operated manually, and is faster than even the best typists. Its electronic scanning head and specially designed ruler are used by the system to assure accurate registration and speed. Together they can read and transfer material to a host Macintosh at less than four seconds per standard line of text.

In addition, OMNI-READER can read the majority of typewritten material that is composed in common fonts. It can also learn to read nonstandard fonts. Any characters that can not be recognized because of poor print quality may be edited by using the Macintosh's keyboard and text-editing software.

In order to use OMNI-READER, a user passes the light-sensitive scanning head across a line of text, using the ruler to facilitate accurate registration. A special grating on the ruler determines how fast and in which direction, forward or reverse, the operator is scanning a line.

From this process, the OMNI-READER obtains and stores a series of vertical "slices" made across the line of characters. These slices are then analyzed by the system's dedicated microprocessor using algorithms developed especially for this process. This produces a line of recognizable text that is then transmitted to the Macintosh.

The algorithms used are able to recognize the majority of popular fonts, and, as mentioned, nonstandard fonts can be taught to the software. Some nonstandard fonts, however, may prove more difficult to analyze, causing a higher rate of misreads.



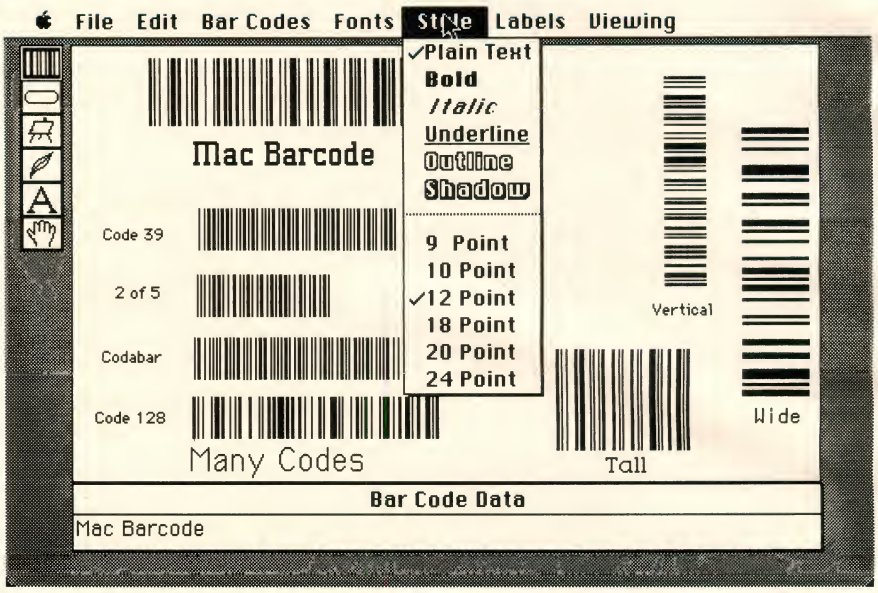
The OMNI-READER brings the capabilities of an optical-character reader to users of the Macintosh. It can scan and read typed or printed text and input that information directly into a host machine, eliminating the need for repetitive text and data-entry steps.

Available from your dealer or:
Oberon International
McArthur Plaza, Suite 630, LB48
5525 McArthur Blvd.
Irving, Texas 75062
214-257-0097
Retail Price: $499
Release Date: October, 1984

Mac Barcode System

Bar-code generator and scanner

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Apple Imagewriter printer; a light pen; laser gun; or slot reader. Inclusions: Bar-code generating software and a bar-code decoding unit.



Mac Barcode software enables a Macintosh user to generate bar-code labels for the automotive, health-care, food-processing, packaging, and other industries. Once created, these labels can be printed out on an Apple Imagewriter printer.

The Mac Barcode System, of which there are two separate components, offers a small-business owner, office manager, health-care administrator, or educator an alternative to traditional data-entry methods for such tasks as inventory control, filing, work-in-process tracking, point-of-sale operations, security, or training. All in all, the system permits users to create bar-code labels according to their own specifications and style and construct worksheet documents that contain both text graphics and coded information.

The system includes Mac Barcode, a bar-code-generating software package, and Scanstar-Mac, a decoding unit. It is designed for any individual responsible for efficient and accurate data-entry systems, especially in manufacturing, accounting, education, and health-care applications.

Mac Barcode's Macintosh-specific features include the use of the mouse, icons, and pull-down menus. All popular systems of symbols or symbologies are mouse compatible. The same is true for bar spacing or "X" dimensions, symbol height, and horizontal or vertical presentation.

Data contained in a bar code can be entered through the Macintosh keyboard or remotely through networking.

Many of the graphic generating capabilities of MacPaint are at a user's disposal as well, and all bar-code labels created can be printed on an Apple Imagewriter.

The Scanstar-Mac unit, which connects through the computer's keyboard socket, gives Macintosh users access to bar-code scanning as a means of data entry without requiring software or hardware modifications. It reads and automatically distinguishes six of the most commonly used bar codes without requiring users to manually set external dip switches. Users can select either a light pen, laser gun, or slot reader as their reading device.

Other system features include six color LEDs that indicate operating status, an aluminum housing, and a shielded power supply to help eliminate electrostatic interference.

Available from your dealer or:
Computer Identics Corp.
5 Shawmut Road
Canton, Mass. 02021
617-821-0830
Retail Prices:
$395 Mac Barcode
$600 Scanstar-Mac with light pen
Release Date: October, 1984

AVATAR PA1000

Protocol converter

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Coaxial cable.

The AVATAR PA1000 is a stand-alone, micro-to-mainframe link that allows a Macintosh to be connected to an IBM 3270 network. When attached to the PA1000 a Macintosh appears to an IBM host computer to be a 3278-2 display station.

The PA1000 is a microprocessor-based protocol converter that connects directly by coaxial cable to an IBM 3274/3276 cluster controller, or to the Display/ Printer Adapter of an IBM 4331.

Residing externally between the cluster controller and a Macintosh, the PA1000 converts the ASCII protocol of the Macintosh to the "Type-A," coaxial-communication protocol of the cluster converter. In addition, the PA1000's microprocessor handles protocol conversion as well as buffer manipulations, keyboard operation, screen management, and printing functions.

Because it attaches by coaxial cable, the PA1000 can be used in BSC, SNA/SDLC, or channel-attached operations.

The PA1000 comes with an auxiliary RS-232 port that can be used to further increase productivity and expand the utilization of Macintosh data-processing resources. By attaching a Macintosh printer to this port, PA1000 users can obtain local printouts of host-session screens without bogging down the IBM system printer attached to the cluster controller.

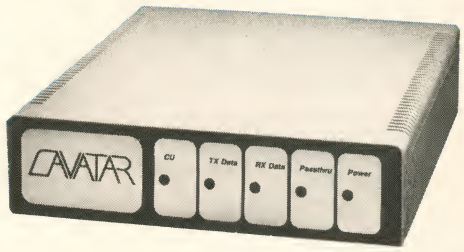
In addition, the auxiliary RS-232 port is designed to allow an attached Macintosh or other ASCII terminal to have simultaneous pass-through access to a minicomputer or public data base, without requiring the user to log on and off the active IBM host session.

The PA1000 can be installed by any Macintosh user, and it requires no modification of existing equipment. Also, because the attachment can be made using a standard RS-232 connection, the PA1000 can be accessed via modem from remote locations by any number of users.

In addition to providing quick reference to mainframe functions through Help screens, the PA1000 allows users to substitute simple English commands for the most common IBM functions. For example, typing "PO" performs Power On/ Reset and "CL" is the equivalent of Clear.

As an added feature, Macintosh users are provided additional direct keyboard and Help-screen support by the PA1000. This means that Macintosh users can have local or remote access to an IBM mainframe with no confusion due to keyboard differences.

Finally, the PA1000 provides a dual-level password security feature that helps assure that only qualified users gain access to the 3270 network. These security measures consist of both supervisory and user-level passwords. User passwords can be up to eight characters long. When security is activated, access to the IBM host through the PA1000 is restricted to only those users who enter the appropriate password.



The Avatar PA1000 is a protocol converter that turns the Macintosh into a 3278-2 display station for IBM host computers. It's easy to connect and has several password-security features.

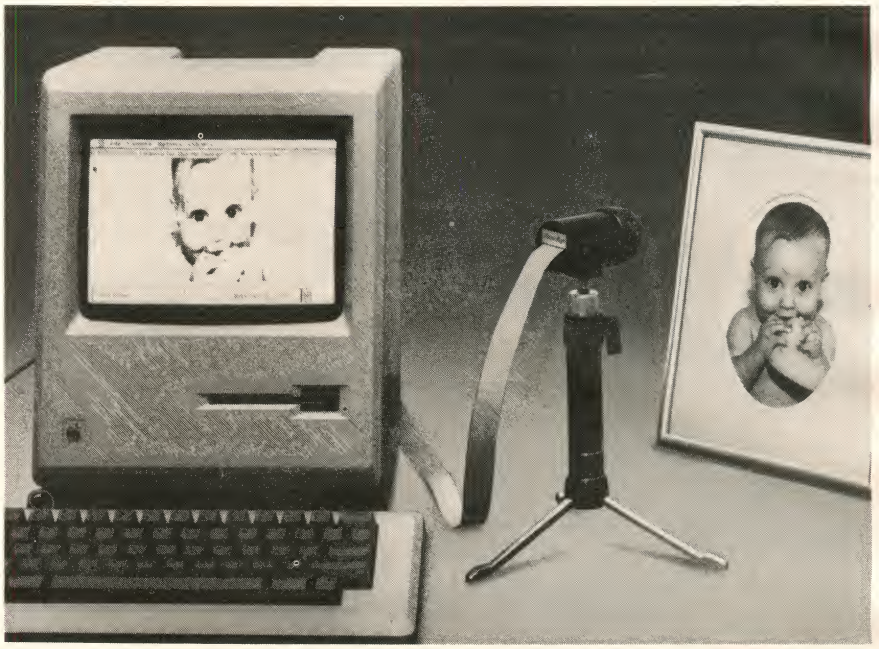
Another security feature of the PA1000 allows a supervisor to select whether the entry of inaccurate passwords will disconnect a user. When this feature is activated the supervisor defines how many inaccurate tries—up to nine—are allowed before the user is disconnected.

Available from your dealer or:
Avatar Technologies Inc.
99 South Street
Hopkinton, Mass. 01748
213-306-6000
Retail Price: $995
Available now

MicronEye Bullet Camera

Camera system for MacPaint

System Requirements: 128K Macintosh; one disk drive. Inclusions: IS32 OpticRAM; lens; tripod; applications program; and operator's manual. Complete, ready-to-use system.

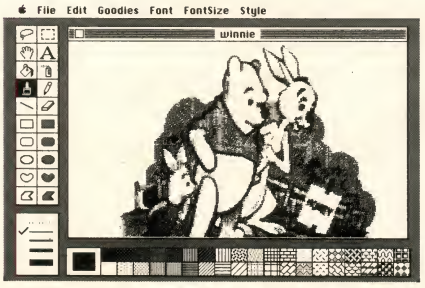


The MicronEye is an imaging peripheral that lets the Macintosh take pictures. Its solid-state camera and software takes a "picture" of any object and then stores it as a MacPaint document. Stored pictures can then be manipulated and customized as though they were original drawings. The camera gives the non-artist a way to get graphics from the real world into the Macintosh.

Using typical Macintosh pull-down menus, images can be stored on disk or printed, and several enhancement features are built into the system.

Picture formats include black and white, pseudo gray (three shades of gray), and gray (five shades of gray). Pictures taken by the MicronEye are the same width as the MacPaint working window and half as high. Pictures can be created the full size of the MacPaint working window by alternately working with the upper and lower halves of the MacPaint screen using selectable options in the pull-down menus.

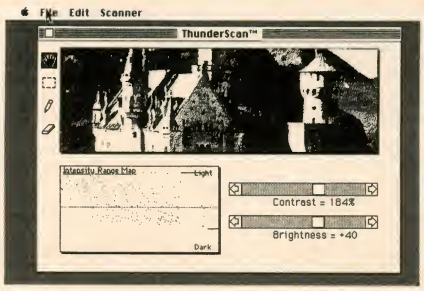
Larger documents can be made by saving the picture in segment while in the CAMERA program, and then pasting these pictures together into a single picture using MacPaint and the Scrapbook.



The MicronEye plugs directly into the serial modem port of the Macintosh and requires no special installation.

Available from your dealer or:
Micron Technology, Inc.
Vision Systems Group
2805 E. Columbia Road
Boise, Idaho 83706
208-383-4147
Retail Price: $395
Available now

The MicronEye Bullet Camera is an electronic imaging system that lets a Macintosh computer take pictures for both business and personal use. Images on the MicronEye system can be created in the full size of the MacPaint working window, printed, or stored on disk by selecting the appropriate option from a pull-down menu.



Use ThunderScan to digitize full-page (8" x 10") documents or selected areas of a document. ThunderScan provides for control over brightness and contrast, and a special zoom feature allows the user to enlarge or reduce parts of documents.

ThunderScan
Digitizer

System Requirements: 128K Macintosh; one disk drive; Imagewriter printer. Inclusions: Digitizing cartridge, cables, user's guide, application software.

ThunderScan is an ultra-high-resolution digitizer that lets Macintosh users capture printed images and turn them into MacPaint documents. ThunderScan digitizes documents, logos, pictures, diagrams, sketches, handwriting, halftones, or any printed material that will feed through the Macintosh's Imagewriter printer.

To digitize something simply pop out the Imagewriter printer's ribbon cartridge and snap in the ThunderScan optical scanning device. Put a document or picture into the Imagewriter and give digitizing instructions to the ThunderScan Application Software. In minutes an exact copy will be produced as a MacPaint document.

ThunderScan turns the Macintosh into an image-processing tool that digitizes documents to resolutions exceeding 200 dots per inch with 64 levels of grey scale.

Available from your dealer or:
Thunderware, Inc.
19-G Orinda Way
Orinda, Calif. 94563
415-254-6581
Retail Price: $229
Release Date: August, 1984

Symbfile
Disk drive

System Requirements: 128K Macintosh; one disk drive. Special Requirements: Symbnet fiber-optic cable for networking. Inclusions: Interface box.

Symbfile is a compact, 3 1/2-inch, Rodime, Winchester-technology hard-disk drive for the Macintosh that provides anywhere from 10.5 to 42 megabytes of additional disk storage, depending on the model chosen. It connects to the Macintosh through the machine's second floppy-disk port, freeing the printer and other ports for their intended use.

Because the Macintosh has no expansion slots, a special interface box is provided by the manufacturer to form a link between the drive and the computer. This interface can also be used with an Apple IIc.



Symbfile is a Winchester-type hard-disk drive for the Apple Macintosh. It is available in several different models, ranging from 10.5 to 42 megabytes of additional disk storage, and it can be used in a network with other Apple computers supported by Pascal.

When connected to a Symbnet fiber-optic network, the Symbfile hard-disk drive allows the Macintosh to share common files with other Apple machines supported by Pascal, such as the Apple II, II+, IIe, III, and IIc. Machines on this network can be up to five miles apart.

Available from your dealer or:
Symbiotic Computer Systems, Ltd.
Duroma House
32 Elmwood Road
Croydon, Surrey, CR9 2TX, England
01-683-1137PBX
Release Date: September, 1984

Alphacom 81 and AlphaPro

Printers

System Requirements: 128K Macintosh; one disk drive. Inclusions: A Macintosh interface with the Alphacom 81; an intelligent interface cartridge with the AlphaPro.

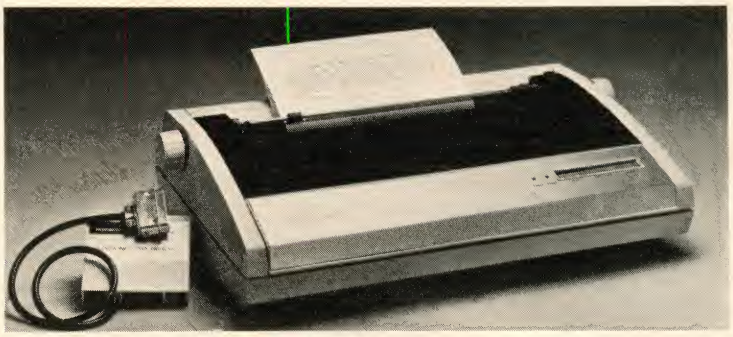
The Alphacom 81 with a Macintosh interface is a low-cost, 80-column, serial dot-matrix printer that features nonimpact thermal technology and ease of operation. Hooking one up to the Macintosh is simply a matter of plugging it into the computer's printer port. No extra hardware interfaces or software drivers are required.

In addition to easy installation, the Alphacom 81 provides text and graphic compatibility with all Macintosh application software that includes a print function.

It is also reliable and fast. As an example, the Alphacom 81 can complete a Macintosh graphics screen dump in 90 seconds, and it can print text at 80 characters per second. And like the Macintosh, the Alphacom 81 employs a small footprint of less than one square foot.

The AlphaPro is a full-function, 18-character-per-second, letter-quality, daisy-wheel printer. It comes with an intelligent interface cartridge that offers direct compatibility with the Macintosh.

Once connected, the AlphaPro conforms to Diablo 630 routines and supports most text-oriented Macintosh application software, such as MacWrite, Multiplan, and Microsoft Word. It also supports proportional spacing, bidirectional printing, boldface printing, underscoring, superscripts, subscripts, and most features of the major word-processing packages.



The AlphaPro from Alphacom is a full-function, letter-quality printer that can handle output from even the most sophisticated word-processing programs. It can be connected to the Macintosh computer via the intelligent cable interface shown at left.



The Alphacom 81 is an 80-column, serial dot-matrix printer with nonimpact thermal technology that can be connected directly to the printer port on the Apple Macintosh. No extra hardware is required.

Available from your dealer or:
Alphacom, Inc.
The Computer Products Company
2323 S. Bascom Ave.
Campbell, Calif. 95008
408-559-8000
Retail Prices:
$220 Alphacom 81
$399.95 AlphaPro
Release Dates:
November, 1984—Alphacom 81
October, 1984—AlphaPro

Videx Games

Strategy; cards; gambling

Mac Checkers with Reversi—allows a player to trap and capture an opponent's playing pieces, and features a variety of playing levels and strategies.

Release date September, 1984; $49 retail.

Mac Gammon—lets players use the Macintosh's graphics and mouse to play an age-old board game. Also includes Cribbage.

Release date October, 1984; $49 retail.

Fun Pak—features three entertaining card games and a strategy game that pits a user against the Macintosh.

Available now; $39 retail.

Mac Vegas—includes six Las Vegas-style casino games of skill and luck.

Release date October, 1984; $59 retail.

Videx, Inc.
1105 Northeast Circle Blvd.
Corvallis, Oreg. 97330
503-758-0521

Penguin Games

Adventure; strategy

Pensate—makes players climb a grid while avoiding opposing pieces on the playing board.

Available now; $39.95 retail.

Transylvania—an adventure game where a player must solve a puzzle in order to save a beautiful princess.

Available now; $39.95 retail.

Xyphus—a role-playing, fantasy game where a player must slay a demon lord in order to free a continent.

Release date October, 1984; $39.95 retail.

Penguin Software, Inc.
830 Fourth Ave.
Geneva, Ill. 60134
312-232-1984

Infocom Games

Adventure; mystery

Zork, I, II, and III—challenging odyssey-type games that take a player into the Great Underground Empire to discover treasures, meet wizards, and confront dungeon masters.

Available now; $39.95 Zork I, $44.95 each Zork II, III retail.

Starcross—a futuristic, science-fiction game where a user must face aliens from the depths of outer space.

Available now; $49.95 retail.

Cutthroats—lets a player recover a sunken treasure, if he or she can avoid a potentially dangerous shipmate.

Available September, 1984; $39.95 retail.

Sorcerer—gives a player the powers of a sorcerer in order to save an enchanted kingdom and free its mentor.

Available now; $44.95 retail.

Enchanter—places a player, who is a novice magician, into single-handed combat with a dark and fierce power.

Available now; $39.95 retail.

Infidel—the player, a soldier of fortune, gets marooned by his or her followers in an Egyptian desert while treasure hunting.

Available now; $44.95 retail.

Planetfall—transports a player to a deserted planet where, with the aid of a robot, he or she must try to survive.

Available now; $39.95 retail.

Seastalker—a game for ages nine and up. The story features a large monster that threatens the world's first undersea research station.

Available now; $39.95 retail.

The Witness—a murder mystery in which the user has only 12 hours to solve the crime.

Available now; $39.95 retail.

Suspended—an adventure game where a player who is buried alive on an alien planet must save his environment from the destructive forces of an earthquake.

Available now; $49.95 retail.

Infocom, Inc.
55 Wheeler Street
Cambridge, Mass. 02138
617-576-3190

Frogger

Arcade game

Frogger—he just wants to go home, but he must first cross a busy highway without getting squashed, dodging cars and trucks that whiz by. Then he must cross a treacherous river filled with enemies such as crocodiles, otters, snakes, and the like.

However, if Frogger meets a lady friend along the way, he

might persuade her to accompany him. Once in a while he'll snag a tasty fly in mid leap, but he has to watch where he's leaping. Frogger is an award winning microcomputer game and a popular full-size arcade game.

Available now; $39.95 retail.

Sierra On-Line, Inc.
Coarsegold, Calif. 93614
209-683-6858

LODE RUNNER

Arcade game

LODE RUNNER—an arcade-style game that pits a user, or a "galactic commando," against enemy guards in an attempt to recover stolen gold. The game includes a built-in generator that lets a user create and test his or her own games, and it makes excellent use of the Macintosh's high-resolution graphic and four-channel sound capabilities.

LODE RUNNER, which has won several software-industry awards, comes with 150 different screens that provide variety and hours of challenging play time.

Release date October, 1984; $39.95 retail.

Broderbund Software
17 Paul Drive
San Rafael, Calif. 94903
415-479-1170

DataPak Games

Card games

Mac-Jack—a blackjack-style card game for the Macintosh that makes good use of the machine's mouse and animated graphic capabilities. As in real blackjack, the object of the game is to have a higher card total than the dealer, in this case the Macintosh, without exceeding 21.

Available now; $39.95 retail.

Mac Poker—an electronic game of five-card stud, where the player plays against the computer. The player can peek at his cards, discard, draw, and bet just like the real game. Mac Poker has the same quality graphics as Mac-Jack.

Release date October, 1984; $39.95 retail.

DataPak Software, Inc.
14755 Ventura Blvd., No. 1-774
Sherman Oaks, Calif. 91403
818-905-6419

Scarborough Games

Business-management games

Make Millions—transports the player to the farthest reaches of high finance. Its adventure-game format stretches imagination, tests entrepreneurial spirit, and requires risking fortunes. The player manages people, situations, and a complex business in changing economic and labor conditions. The program makes use of Macintosh pictures and graphics to add realism to the game.

Also included are many common management functions including inventory management, distribution, and personnel. Many tools are available, such as spreadsheets, the morning news, ticker tapes, and consultants. The outcome can be all the way from bankruptcy to millions in profit.

Release date October, 1984; $49.95 retail.

Run For The Money—a fast-paced, arcade-style game that two can play. It challenges the players' business skills in an alien environment. The setting is outer space, but the key to winning is down-to-earth business sense. The program uses Macintosh graphics and pictures to provide realism.

Available now; $49.95 retail.

Scarborough Systems, Inc.
25 North Broadway
Tarrytown, NY 10591
914-332-4545

Mac-Slots

Gambling game

Mac-Slots—contains two Las Vegas games: Keno and slot machines. The two games are connected via a scoreboard that keeps track of the progress of the players. The top 10 winners are displayed.

The program is completely mouse-controlled, and works very much like the real games of chance. Macintosh graphics and sound effects add to the realism.

Available now; $77.77 retail.

Soft-Life Corporation
2950 Los Feliz Blvd., Suite 103
Los Angeles, Calif. 90039
213-660-7940

Forbidden Quest

Adventure game

Forbidden Quest—an interactive adventure novel in which the reader is the leading character. The adventurer is placed on a journey that will expose him or her to danger and challenge in over 100 locations. Only with prudent decisions based on careful exploration of two starships and three planets will the adventurer be able to succeed on his mission: to restore civilization to a deteriorating society. The ability to think logically and react intelligently are the adventurer's only defense against failure and death.

Available now; $44.95 retail.

Pryority Software, Inc.
P.O. Box 221959
Carmel, Calif. 93922
408-625-0125

Mouse Stampede

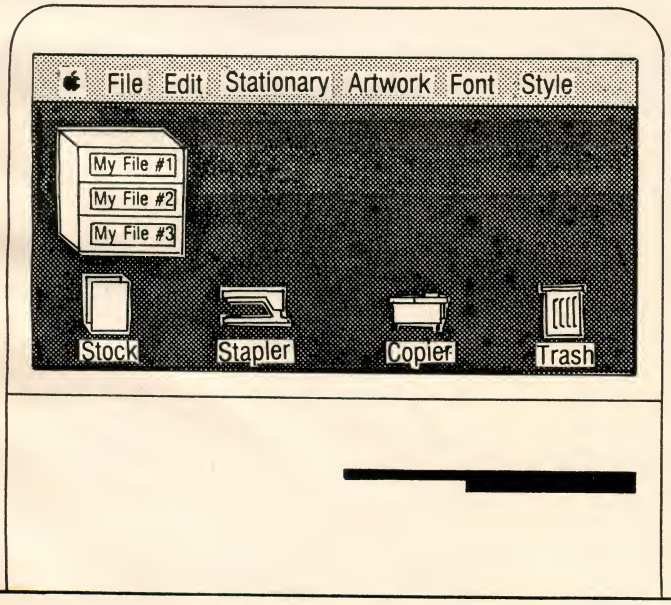
Arcade game

Mouse Stampede—an arcade-style game for the Macintosh. The object is to shoot a pack of rampaging mice into extinction while avoiding a host of cunning adversaries. The player collects points by destroying the mice and other lethal hazards. There are knives that zigzag, bats that fly, a turtle that wanders around, and a choice of three kinds of cheese.

The program makes maximum use of Macintosh graphics, sound, and—of course—the Macintosh's own mouse.

Available now; $39.95 retail.

Mark Of The Unicorn
222 Third Street
Cambridge, Mass. 02142
617-864-2676



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Circle 41 on Reader Service Card

Klondike
Card game

Klondike—a challenging card game, based on the popular solitaire game of the same name. The game is completely mouse controlled with the odds set at 30 to 1. Those caught peeking to better the odds are penalized. Scoring may be based on time taken to win or on progress made before losing, so the player can compete against Klondike or against friends.

Available now; $39.95 retail.
Computing Capabilities Corporation
465-A Fairchild Drive, Suite 122
Mountain View, Calif. 94043
415-968-7511

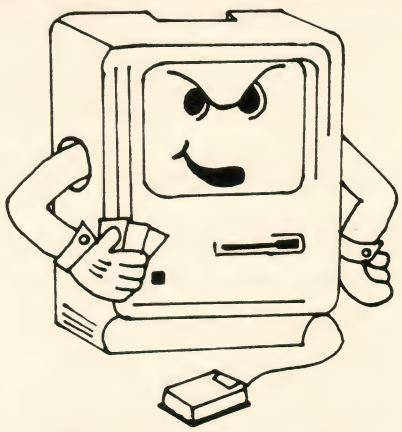
Legacy
Adventure game

Legacy—a highly graphic adventure game that takes place in a magical and mysterious setting. The player is the adventurer, and can control his environment through commands that involve movement, the taking of objects, and the use of them to accomplish the game's objective.

Legacy's graphic illustrations are complex and realistic, using nearly two thirds of the Macintosh high-resolution screen. The game also includes detailed descriptions of the action and the ability to accept full sentences as commands. The adventurer can make use of windowing, scrolling, pull-down menus, and other Macintosh functions.

Available now; $39.95 retail.
Challenger Software
18350 Kedzie Avenue
Homewood, Ill. 60430
312-957-3475

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CYBORG

Adventure

CYBORG—a science-fiction Macintosh update on the familiar adventure game genre. As with most adventure games, CYBORG involves an imaginary setting where the player must rely upon his wits and skill. Unlike more conventional adventures, however, CYBORG utilizes the Macintosh high-resolution graphics, mouse, and menus for added realism.

A cyborg is a human being who is somehow linked with a mechanical device that he depends upon for support. In CYBORG, you begin in a state of bewilderment. The object of the game is to find out who you are, where you are, and what you're doing there.

Available now; $39.95 retail.

Broderbund Software Inc.
Entertainment Software Division
17 Paul Drive
San Rafael, Calif. 94903
415-479-1170

TRIVIA

Entertainment

TRIVIA—a Macintosh version of the successful trivia board games now sweeping the country. Included in TRIVIA are over 5,000 questions that the computer parcels out to players pitting their knowledge against one another. Question categories include Entertainment, Sports, History, Geography, and Literature. Additional question-and-answer diskettes will be available.

Unlike the board games that use instruction books, question cards, and board figures, TRIVIA takes place entirely within the Macintosh. After the program is loaded players' names are typed in and a winning total point score is established by the participants. The rest of the game is played using the mouse.

Available now; $49.95 retail.

Mirage Concepts, Inc.
4055 W. Shaw, #108
Fresno, Calif. 93711
209-227-8369

MacPuzzle

Jigsaw-puzzle maker

MacPuzzle—a program that creates an on-screen jigsaw puzzle from any MacPaint picture and then challenges you to put it back together using the mouse.

To make a puzzle you simply copy a MacPaint picture and MacPuzzle will break it up into jigsaw-puzzle-shaped pieces and scatter them around the screen. You then begin moving the pieces together with the mouse. The program allows you to work with pieces just as you would with a regular jigsaw puzzle. You can assemble clumps on one part of the screen and later move the clump into position, you can lay parts on top of one another to make room, and so on.

Available now; $47.50 retail.

Industrial Computations, Inc.
40 Washington Street
Wellesley Hills, Mass. 02181
617-235-5080

Pinball Construction Set

Pinball-game generator

Pinball Construction Set—allows the user to design and play his own pinball machines on the Macintosh screen. The program is a special, Macintosh implementation of this award-winning game available on many other computers.

The package gives a user five complete, electronic pinball games plus an infinite variety of ways to design and make personalized pinball games. Game parts can be picked from a stock of standard parts, or a user can design parts of his or her own choosing.

The elasticity and kick of bumbers, flippers, and balls can even be changed, and a user will discover ways to customize time and gravity to suit personal tastes.

Release date November, 1984; $40 retail.

Electronic Arts
2755 Campus Drive
San Mateo, Calif. 94403
415-572-2787

Wizardry: Proving Grounds Of The Mad Overlord

Adventure

Wizardry—takes a user into a world of fantasy and adventure where magic has replaced technology, where strange creatures and vast treasures can be found. The user creates and controls the destiny of a group of adventurers, each with his or her own

abilities, weaknesses, and personality. Some may be mighty warriors, others will be thieves—there are many possiblities.

Wizardry is one of the more popular adventure-game programs on the market. It has been rewritten for the Macintosh and its user interface has also been revamped and improved. As a result, it is now faster and easier to play than its predecessor.

Release date November, 1984.

Sir-Tech Software Inc.
6 Main Street
Ogdensburg, N.Y. 13669
315-393-6633

Blue Chip Games

Business-simulation

Millionaire—combines simulated stock-market transactions with a variety of fluctuating conditions, such as corporate profiles, news headlines, performance graphs, and price tables, that can be used to create a realistic composite of risks, opportunities, and rewards commonly associated with stock-market trading.

Available now; $59 retail.

Tycoon—an earn-as-you-learn commodity market simulation program for those who thrive on the unpredictability of commodities trading. It includes everything from gold and foreign currencies to oil and soybeans.

Release date October, 1984; $59 retail.

Baron—a practical, real-estate-market game. Those who play it learn the ins and outs of investing in commercial, residential, and undeveloped property. Each player starts with $35,000 and has 52 game weeks to parlay that amount into a million dollars by buying, selling, and developing properties in five states.

Release date October, 1984; $59 retail.

Blue Chip Software
6744 Eton Ave.
Canoga Park, Calif. 91303
818-346-0730
Release Date: October, 1984

Mind Over Mac

Entertainment

Mind Over Mac is a package of five mind-challenging games for all ages. It was designed for the creative person who likes to explore new ideas.

MasterCode involves a secret code that must be broken and can be played against the Macintosh.

Destroyer requires two players who must track down and capture each others' battleships.

Third Dimension is a game of skill and was formally known as (4x4x4) Tic-Tac-Toe.

On-the-Contrary challenges the perceptual memory abilities of up to four players.

Trivial Intrigue includes an array of trivia questions from several categories. High-resolution graphic screens accompany many of the questions.

Available now; $49 retail for all five games.

Think Educational Software
16 Market Street
Potsdam, N.Y. 13676
315-265-2666

Sargon-III

Chess

Sargon III—a chess game for the Macintosh, with nine different levels of play, designed for beginners or expert players. To the program's credit, it was recently used to win the 1984 *PC World* magazine microcomputer chess tournament.

Some of the program's major features include an Easy Mode to handicap the computer's play within levels, the ability to play a strong game and/or fast play, and an opening library of more than 68,000 moves. Other features give a user the ability to withdraw moves, set up the chess board in any way desired, change sides at any time, replay a game, and ask the computer to suggest a move in a difficult situation.

Available now; $49.95 retail.

Hayden Software Company
600 Suffolk Street
Lowell, Mass. 01854
617-937-0200

MacAttack

War game

MacAttack—features life-like, three-dimensional animation and simultaneous sound. You're stationed at the controls of a radar-equipped Sherman tank in Alaska on the brink of World War III.

With the Macintosh mouse and keyboard you control the speed and direction of your tank plus cannon/turret aiming and firing. Your enemies are other tanks, heat-seeking missiles, and aircraft—all in 3-D realism.

Miles Computing, Inc.
7136 Haskell Ave., Suite 212
Van Nuys, Calif. 91406

Maccessories

Hardware accessories

Disk Case—provides storage for separate Macintosh disks, and comes with a pair of spare disk labels.

Available now; $30 retail.

Surge Suppressor—a replacement power cord for the Macintosh with built-in surge-suppression and noise-filtering circuitry. It comes with Velcro pads to attach it to the back of the computer.

Available now; $49.95 retail.

Swivel—a base that attaches to the bottom of the Macintosh. It can be left on permanently, even when the machine is inside its carrying case.

Available now; $35 retail.

Control Center—attaches to an external disk drive. It comes with a master on/off switch to control the entire system and separate switches for a modem, printer, and one auxiliary device. It can also protect the Macintosh from power surges, line noise, and static shock.

Release date October, 1984.

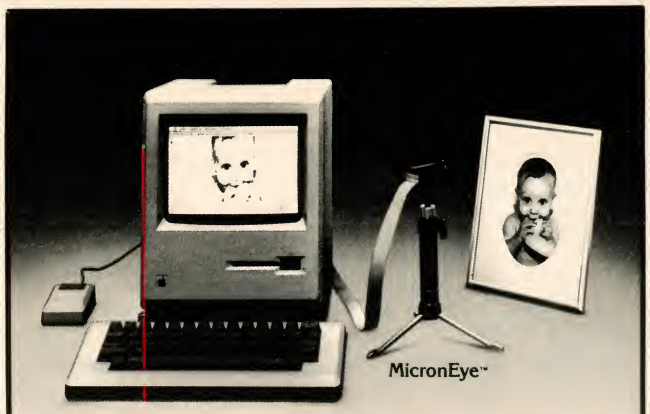
Portable Modem—a battery-powered, portable modem that can travel with the Macintosh. It weighs less than one pound and supports all available communications software.

Available now; $140 retail.

Universal Printer Stand—for the Apple Imagewriter and most dot-matrix printers. It raises a printer to allow monitoring or output by a user and storage of several hundred sheets of paper underneath.

Available now; $24.95 retail.

Kensington Microware Ltd.
251 Park Avenue S.
New York, N.Y. 10010
212-475-5200



Now Your Macintosh™ Can See! $395.00*

The MicronEye™ is an imaging peripheral that lets your Macintosh personal computer take pictures. It provides graphics input allowing both hobbyists and professionals to develop applications in many useful areas. The plug-and-go system weighs just 2½ pounds and includes hardware, software, IS32 OpticRAM™, lens, tripod and operators manual.

With easy-to-use pull-down menus the user can print a picture or save to disk. Several features for image enhancement are built right into the program. Pictures created with the MicronEye software are fully compatible with MacPaint™, allowing a full range of customizing capabilities.

The picture formats include black and white, pseudogray, and grey-scale (five shades). Pictures created by the MicronEye are as wide as the MacPaint working window and half as high. Pictures can be created the full size of the MacPaint working window by alternately working with the upper and lower half of the Macintosh screen, using selectable options in the pull-down menus.

The MicronEye utilizes an IS32 OpticRAM which is produced from the same semiconductor die as the company's 64K DRAM component. The IS32 OpticRAM is packaged with a clear glass lid instead of the usual black plastic, allowing the computer chip to utilize the image sensing capability of the DRAM. The chip is driven by an interface card which connects to the Macintosh modem port.

The introductory price for the Macintosh version of the MicronEye Bullet is $395.00 plus $10.00 for shipping and handling. MicronEye Bullet models are also available for the Apple II, IBM-PC, Commodore 64, TRS-80CC and TI-PC personal computers.

Macintosh, MacPaint and Apple II are trademarks of Apple Computer, Inc.; IBM-PC is a trademark of International Business Machines; Commodore 64 is a trademark of Commodore Corporation; TRS80CC is a trademark of Tandy Corporation; TI-PC is a trademark of Texas Instruments.

MICRON TECHNOLOGY, INC.
VISION SYSTEMS GROUP
2805 E. Columbia Road
Boise, Idaho 83706
(208) 383-4147
TWX 910-970-5973

Macintosh Books

There are dozens of books available and about to be released on the Macintosh. Here are just a few:

The Apple Macintosh Book; by Cary Lu—probably the most comprehensive book available about the Macintosh. It was written with full cooperation of Apple Computer as it was finishing up development work on the computer. The reader will find it well organized, helpful, and informative. 380 pages; $18.95 retail.

Available from your dealer or:
Microsoft Press
10700 Northrup Way
Bellevue, Wash. 98004

Using MacWrite & MacPaint; by Tim Field—a book of ideas on how to use the full potential of MacWrite and MacPaint to produce visually exciting reports, illustrations, business correspondence, designs, and much more. The book is fully illustrated and gives "hands-on" examples. 160 pages; $11.95 retail.

Available from your dealer or:
Osborne/McGraw Hill
2600 Tenth Street
Berkeley, Calif. 94710

Mac Telecommunications; by Jonathan Erickson & Robert J. Sayre—describes many Macintosh communications possibilities. The reader will learn how to use his computer for research, banking, buying and selling stock, and more. There's an overview of telecommunications, the hardware and software required, detailed instructions for MacTerminal, plus details on network and information services available. 180 pages; $16.95.

Available from your dealer or:
Osborne/McGraw-Hill
2600 Tenth Street
Berkeley, Calif. 94710

Micro Disk Minder

Disk storage

Micro Disk Minder—a desktop storage case for 3.25- and 3.5-inch disks. The flip-top unit is made of smoked plastic, and keeps up to 36 disks safe from dust and spills. Internal dividers allow for categorizing groups of disks.

Available now; $24.95 retail.
International Datawares, Inc.
910 George Street
Santa Clara, Calif. 95050
408-988-5594

CompuServe

Information service

CompuServe—a major supplier of electronic information to private individuals and Fortune 1000 companies. When linked to CompuServe's Executive Information Service via modem and VIDTEX communications software, Macintosh users will be able to obtain in-depth business data, and add extra communications capabilities to their systems.

A complete user's guide will be included with every Macintosh subscription kit sold.
CompuServe Information Services
5000 Arlington Centre Blvd.
Columbus, Ohio 43220
800-848-8199

Justin Case

Carrying cases

BASKET—a hard-sided, foam-lined, plastic, locking carrying case for the Macintosh. It will hold the computer's main unit, keyboard, mouse, a numeric keypad, and the line cord. BASKET weighs eight pounds. It has three rear hinges, two locking front latches, and metal corners.

Available now; $100 retail.

D-BASKET—holds everything that the BASKET holds, plus an external disk drive, modem, and cords. It weighs 10 pounds.

Available now; $130 retail.
Justin Case Manufacturing Corp.
334 Main Street
Port Washington, N.Y. 11050
516-883-2299

UNDERWARE

Image-transfer maker

UNDERWARE—a printer accessory kit that converts any Macintosh screen image into an iron-on transfer for T-shirts. The main component of the kit is a special printer ribbon that contains the same type of ink used by commercial T-shirt companies.

The user creates a MacPaint document, chooses the Flip Horizontal option to reverse the image, and prints the image

using the special ribbon. The resulting sheet of paper is a transfer that can be ironed on any material that is 50 percent cotton and 50 percent polyester. Indelible felt-tip pens can be used to add color and highlights. The transfer is permanent and washable.

Available now; $19.95 retail.

Diversions, Inc.
1550 Winding Way
Belmont, Calif. 94002
415-591-6739

Macintosh 3.5" Head-Cleaning Kit

Disk-drive maintenance

Nortronics Macintosh 3.5" Head Cleaning Kit—includes software that tells the user how to clean the heads on the internal or external disk drive. It also contains a re-useable diskette jacket and two polyester cleaning diskettes which slide in and out of the jacket. The final item in the kit is a 3/4-ounce can of freon-based head-cleaning spray.

The fact that the cleaning system is software driven insures the same results every time. The software automatically steps the cleaning disk to a clean area for subsequent cleanings, and tells the user when it has to be replaced.

Release date September, 1984; $39.95 retail.

Nortronics Company, Inc.
8101 10th Avenue N.
Minneapolis, Minn. 55427
800-328-5640

Club Mac

User group

Club Mac—a national, professionally staffed Macintosh user group. As a national information exchange for Macintosh users, Club Mac gets information from Apple development staff, from members, and from software and peripheral vendors.

The user group is a non-profit organization. The membership fee includes a startup kit with a special disk, communications software that requires Microsoft Basic, access to a huge electronic bulletin board, a help line for technical and general information, and a monthly, 30-page newsletter with tips, product news, reviews, ads, and free classifieds for members.

Available now; $35 membership fee.

Club Mac
735 Walnut
Boulder, Colo. 80302
303-449-5533

Why do you need MacLabeler™?



MacLabeler™ brings order to your disk library.
With MacLabeler you'll have all your labels neat, complete, and up to date—showing your document and folder names, with no scribbles or cross-outs. And that's a real pleasure. You'll also have the disk name on the front, the edge, and the back, so you can always see it.

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Yes. Push in a disk, and MacLabeler will show you a complete directory, let you sort it, and print it out. You'll find files fast. The more you use your Macintosh, the more you need MacLabeler.

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Or order direct from IDEAFORM INC., P.O. Box 1540, Fairfield, IA 52556, 515-472-7256. Iowa residents add 4% tax. Order toll free, 24 hours: **800-222-2990**. Visa and Master Card accepted. Requires Imagewriter printer.

MacLabeler is a trademark of Ideaform Inc. Macintosh is a trademark licensed to Apple Computer Inc.

$49.95

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MacLabeler

Lotus Macintosh Product

Integrated; multifunction

System Requirements: 512K Macintosh

The Lotus Macintosh Product—an integrated, business-management program designed for business professionals who are essentially non-technical users. It will combine the same kind of functionality of Lotus 1-2-3 and Symphony with the simplicity of the Macintosh user interface throughout its five integrated functions.

These functions will be spreadsheet, word processing, graphics, communications, and data-base management. They can be used separately or arranged in any combination on the Macintosh desktop.

Release daate first quarter, 1985.

Lotus Development Corporation
245 First Street
Cambridge, Mass 02142
617-494-1270

Satori Software

Business management

Bulk Mailer—helps many businesses and organizations maintain a moderate-size mailing list. Its hard-disk version will store 32,000 names on line, while a dual-diskette drive system will hold 5,400 names.

The program will also make use of the Macintosh's mouse, pull-down menus, file folders, icons, and various fonts for fast and easy operation.

Release date Fall, 1984; $99 diskette version, $350 hard-disk version, retail.

Inventory Manager II—provides a retailer with reports and analysis on stocks sold, current levels of inventory, listings by vendor, current orders, suggested orders, and printing of purchased orders.

The program's major features will include the ability to list over 8,000 items with a dual-diskette system; perform sorts by category; and compile detailed information regarding product descriptions, selling prices, and gross profits.

Release date Fall, 1984; $199 retail.

Legal Billing—a software program for any medium-size law firm or office needing a time-billing package. Its features will include an exclusive "Video Time-Slip" for easy client entry, detailed billing statements, numerous reports and analyses, and large record capacity.

Legal Billing will also include many parameter-controlled reports, such as lawyer time reports, listing of time/credit slips, client aging reports, and a credit-slip search.

Release date Fall, 1984; $399 retail.

SATORI SOFTWARE
5507 Woodlawn Ave. N.
Seattle, Wash. 98103
206-633-1469

MacSimile

Communications software

MacSimile—will send and receive programs and documents over the AppleBus network. It will also copy information reliably, cost-effectively, and rapidly.

MacSimile owners will also be able to use the Macintosh to read any file on the AppleBus network, and write a file to any volume on the network—subject to owner permission.

Release date February, 1985; $150 retail.

Micro Science Associates
4183 Dake Ave.
Palo Alto, Calif. 93406
415-493-7085

ClickArt:Letters

Letter fonts and sizes

ClickArt:Letters—a lettering system that expands the Macintosh selection of type fonts, sizes, and styles. The program contains very large-size letters to be used for headlines, banners, posters, etc. About a dozen fonts and a dozen letter files will be included.

Release date November, 1984.

T/Maker Company
2115 Landings Drive
Mountain View, Calif. 94043
415-962-0195

Da Poma GB

Grade-book management

Da Poma GB—lets a teacher or professor record and calculate class grades on the Macintosh. And it will allow student grades and scores to be weighted individually or by type, and grade breakpoints to be adjusted to fit the need.

The program also contains a score report that can display a class's raw scores in a form similar to spiral-bound grade books. Other available reports include student-grade and class-grade lists.

Release date November, 1984; $150 retail.

Da Poma, Inc.
P. O. Drawer H
Hondo, Texas 78861
512-426-5932

Mac Logo

Programming language

Mac Logo—an easy-to-use programming language with features that span the gulf between beginners and advanced programmers. Unlike other simple languages that reduce the number of options available, Mac Logo contains a large set of English-like commands with simple syntax and clearlyworded error messages.

Mac Logo runs on the Mac with either 128K or 512K, and will run on the Lisa with MacWorks. Its speed and power are suited for exploring topics in computer science such as artificail intelligence or symbolic computation. Mac Logo is also the first Logo to feature arrays, and they can be allocated dynamically when needed.

Mac Logo will soon be enhanced through "Microworlds," each of which is a collection of commands for specific areas of interest like music, art, engineering, turtle graphics, etc.

Release date first quarter, 1985; $99 retail.

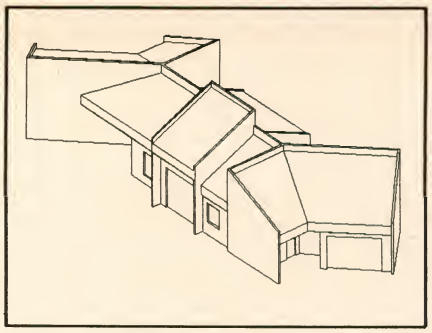
Logo Computer Systems, Inc.
9960 Cote de Liesse
Montreal, Quebec
514-631-7081

The Desk Organizer

Time-management software

The Desk Organizer—integrates most of the tools an executive or professional is accustomed to using at his or her desk. It is based on a free-form filing system with Rolodex-like access, and it will give a user a place to store ideas, lists, letters, and reminders.

The Desk Organizer includes an appointment calendar with alarm clock, a telephone dialer, and a calculator. It takes advan-



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A Graphics Terminal
for the Macintosh™

- Easy mouse interface
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  Zooming
  Plotting
- Also Versions For:
  Apple Lisa
  Apple //

Mesa Graphics

P.O. Box 506
Los Alamos, NM 87544

$250

Circle 43 on Reader Service Card

tage of all Macintosh resources, and it is capable of running along side other Macintosh applications.

Release date November, 1984.

Warner Software, Inc.
666 Fifth Ave.
New York, N.Y. 10103
614-221-4201

The Profit Center

Integrated office management and accounting

The Profit Center is made up of 24 office and accounting programs that will all work separately or together in a series. When used on the Macintosh, each program offers high-quality screen presentations and data entry via mouse. Some of the major programs in this series include:

The Complete Office—which integrates most of the basic functions found in a small business, such as handling receivables, payables, and payroll; preparing correspondence and form letters; and maintaining records of activities, appointments, expenses, names, and addresses.

Release date December, 1984; $875 retail (includes: Business Word Processor, NEAT, General Accounting, and Master Menu).

The Complete Secretary—a word processor with form-letter capability and a time and information manager designed around a common data base. It will allow a user to perform various secretarial duties, such as writing correspondence, maintaining schedules, keeping records, and planning future tasks.

Release date December, 1984.

NEAT: The Time and Information Manager—is a data-base manager for business and/or home Macintosh users. It can be used to schedule appointments; record time spent on projects, activities, or clients; maintain a to-do list; create an address and telephone directory; print mailing labels; and more.

Release date December, 1984; $150 retail.

Accounts Receivable—will permit a Macintosh user to record transaction entries, maintain customer records, and produce special statements and reports as needed.

Release date December, 1984; $695 retail.

Accounts Payable—supports cash and accrual-based accounting on the Macintosh. In addition, multiple bank accounts may be used for cash distribution, all transactions may be applied to specific open vouchers, and a complete audit trail will show all transactions cross-referenced with the program's general ledger.

Release date December, 1984; $695 retail.

Business Word Processor—a word processor and a letter generator for the Macintosh that will permit a user to produce reports and letters. It features on-line Help displays, the ability to merge multiple files while editing, access to a spelling checker, and more.

Release date December, 1984; $250 retail.

Master Menu—creates an "integrated application environment" through which all Profit Center programs can work together.

Release date December, 1984; $25 retail (cost refunded if other Profit Center programs are purchased).

General Accounting—automates accounting functions on the Macintosh by providing a user with up to: 99 separate divisions, with their own financial statement; 10 departments, each with their own profit/loss statement; 9,000 general-ledger accounts; 399 checking accounts; customer, vendor, and employee accounts; and more.

Release date December, 1984; $595 retail.

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Circle 44 on Reader Service Card

ABSOFT Corporation
MacFortran ... 87
AIS Microsystems
Mortgage Switch Calculator ... 92
Alphacom, Inc.
Alphacom 81; AlphaPro ... 162
American Intelliware Corporation
MacSlideshow ... 114
Macfats Storyboarder ... 97
American Training International
MacCoach ... 102
ANCHOR AUTOMATION, INC.
Volksmodem ... 152
Signalman Mark XII ... 153
Signalman Mark X ... 154
Ann Arbor Softworks, Inc.
Animation Toolkit 1 ... 40
Apple Computer, Inc.
MacDraw ... 20
MacTerminal ... 24
MacPaint ... 34
Macintosh Pascal ... 90
MacWrite ... 118
MacProject ... 124
Macintosh 512K ... 147
Applied Creative Technology, Inc.
Printer Optimizer ... 154
Applied Logic Systems, Inc.
QUEST Client Writeup;
QUEST Small Business ... 10
Apropos Software, Inc.
Investment Planning ... 138
Financial Planning ... 145
Array's Inc./Continental Software
The Home "Mac" Accountant ... 140
Assimilation Process
Mac Epson Connection ... 108
Mac Spell Right ... 109
Mac Daisywheel Connection ... 110
Aurora Systems, Inc.
CRTplus ... 96
Avatar Technologies Inc.
Protocol Converter ... 159
Axlon Inc.
Card Shoppe; Art Portfolio ... 37
Bell Technologies, Inc.
UMAX System ... 26
Bense
MacAddress ... 76
Blue Chip Software
Millionaire; Tycoon; Baron ... 168
Brock Software Products, Inc.
Keystroke Data Base ... 47
Broderbund Software
Lode Runner ... 164
Cyborg ... 167
Central Point Software, Inc.
MacTools ... 108
Challenger Software
Legacy ... 166
Chang Laboratories
Rags to Riches Series ... 18
Club Mac
Club Mac User Group ... 171
Communications Research Group
BLAST ... 23
CompuServe Information Services
CompuServe ... 170
Computer Identics Corporation
Mac Barcode System ... 158
Computer Shoppes
MacPlots II ... 110
Computer Software Design
MacLion ... 46
Computing Capabilities Corporation
Klondike ... 166
Consulair Corporation
Mac C; Mac C Toolkit ... 84
Cortland Software
Mac Health ... 95
Corvus Systems, Inc.
Corvus OmniDrive ... 151
Creative Solutions, Inc.
MacForth ... 89
Creighton Development, Inc.
ProPrint ... 112
Da Poma, Inc.
Da Poma GB ... 173
Data and Information Software Company
People In Places ... 126
DataPak Software, Inc.
Mac-Jack; Mac Poker ... 164
Data Systems, Inc.
TessSystemOne ... 96
DietMac ... 136
DataViz, Inc.
MacLink ... 32
Davong Systems, Inc.
Mac Disk ... 148
DeskTop Software Corporation
1stBASE ... 56
Deverill Business Systems
dbs Pay ... 16
dilithium Press
PC to MAC and BACK ... 28
Diversions, Inc.
UNDERWARE ... 170
Dow Jones & Company Inc.
Straight Talk ... 22
Market Manager PLUS ... 138
Electronic Arts
Pinball Construction Set ... 167
Emerging Technology Consultants, Inc.
MacOFFIX ... 64
EnterSet
DeskSet ... 77
ExperTelligence, Inc.
ExperLogo ... 82
Fingertip Software
500 Menu Patterns ... 36
First Byte, Inc.
Smoothtalker ... 42
Forethought, Inc.
Factfinder ... 54
Haba Systems, Inc.
HabaDialer ... 68
Haba Window Dialer ... 68
Habadex ... 72
Haba Window Calendar ... 74
HabaDisk ... 149
Harris Technical Systems, Inc.
Profit Projector ... 130
Harvard Associates, Inc.
MacManager ... 124
Hayden Software Company
HAYDEN•BASE ... 58
DaVinci Series; Commercial Interiors ... 93
Sargon-III ... 168
Hayes Microcomputer Products, Inc.
Please ... 56
Hippopotamus Software
Hippo-C ... 80
Human Edge Software Corporation
Mind Prober ... 129
The Sales Edge ... 130
The Negotiation Edge ... 132
The Management Edge ... 132
The Communications Edge ... 133
Ideaform Inc.
MacLabeler ... 126
Industrial Computations, Inc.
MacPuzzle ... 167
Infocom, Inc.
Zork I, II & III;
The Witness; Suspended;
Sorcerer; Cutthroats;
Enchanter; Infidel;
PlanetFall; Seastalker;
Starcross ... 163
Intermatrix
Chequebook ... 8
MacPhone ... 64
MacDesk ... 70
International Datawares, Inc.
Micro Disk Minder ... 170
Justin Case Manufacturing Corporation
BASKET; D-BASKET ... 170

Kensington Microware, Ltd.
Control Center;
Portable Modem;
Surge Suppressor;
Disk Case; Swivel ... 169
Koala Technologies Corp.
MacVision ... 40
Living Videotext, Inc.
ThinkTank ... 125
Logo Computer Systems Inc.
Mac Logo ... 172
Lotus Development Corp.
Lotus Macintosh Product ... 173
Macadam Publishing, Inc.
Windoware Phone Book ... 66
Windoware Calendar ... 77
MacinSoft
Paint Mover ... 107
Magnum Software
McPic!. ... 42
Slide Show Magician ... 38
Main Street Software
Main Street Filer ... 62
Main Street Writer ... 119
Mark of the Unicorn
Professional Composer ... 39
Mouse Stampede ... 165
Matrix Advocates Company
IMAGES ... 41
Mead Data Central
LEXIS/NEXIS Communications ... 25
Megahaus Corporation
MegaFiler ... 58
MegaDesk ... 67
MegaForm ... 116
MegaMerge ... 116
Megatherium Enterprises
Mac the Linguist ... 120
Mesa Graphics
Tekalike ... 27
Microcom Inc.
MACMODEM ... 24
Micro-Design
Hard Disk Systems ... 150
Micro Focus
Mac Cobol ... 86
MICROMAX SYSTEMS, INC.
Gallery ... 12
Micron Technology, Inc.
MicronEye Camera ... 160
Micro Science Associates
MacSimile ... 172
Microsoft
Microsoft CHART ... 20
Microsoft FILE ... 46
Microsoft BASIC ... 89
Multiplan ... 100
Microsoft WORD ... 122
Microsoft Press
Books ... 170
MICROSPOT
MACPLOT ... 114
Microteacher, Inc.
Writing Skills ... 135
Miles Computing, Inc.
Mac the Knife ... 38
MacAttack ... 168
Mirage Concepts, Inc.
Trivia ... 167
Monogram
Dollars and Sense ... 139
Nortronics Company Inc.
Head Cleaning Kit ... 171
Oberon International
OMNI-READER ... 157
Odesta
Odesta Helix ... 50
OmniSoft International
MOM ... 66
Organizational Software Corporation
OMNIS 2 ... 52
Organization Development Software, Inc.
MACTHINK ... 131
Orion Training Systems
Checkwriter ... 9
The Master ... 104
Osborne/McGraw-Hill
Books ... 170
Palantir Software
MacType ... 103
Peachtree Software
Back To Basics Accounting ... 8
Peachtree Software International, Ltd.
MacAccounting ... 16
Penguin Software, Inc.
Xyphus; Pensate;
Transylvania ... 163
Personal Bibliographic Software, Inc.
Professional Bibliographic System ... 92
Prentice-Hall Inc., Orchid Software
The Profit Center ... 174
Professional Data Systems
Video Display Systems ... 155
Prometheus Products, Inc.
PROCOM-M ... 23
ProVUE Development Corp.
OverVUE ... 60
Pryority Software, Inc.
Forbidden Quest ... 165
Pterodactyl Software Co.
PC Basic Compiler ... 88
Pythia Ltd.
Terminer ... 74
Quark Peripherals, Inc.
QC10 Hard Disk ... 148
Rune Enterprises
Electronic PAD ... 94
Satori Software
Bulk Mailer;
Inventory Manager;
Legal Billing ... 172
Scarborough Systems, Inc.
MasterType ... 134
Make Millions;
Run For The Money ... 164
Sierra On-Line, Inc.
Frogger ... 163
Simon & Schuster, Inc.
Typing Tutor III ... 102
Sir-tech Software, Inc.
Wizardry ... 167
SoftDesign, Inc.
TimeBase ... 65
SofTech Microsystems, Inc.
UCSD Pascal ... 80
FORTRAN-77 ... 81
Advanced Development Tool Kit ... 91
Soft-Life Corporation
Mac-Slots ... 164
Software Arts
TK!Solver ... 128
Software Publishing Corporation
PFS:FILE ... 52
PFS:REPORT ... 106
Softworks Limited
Softworks C ... 88
Southeastern Software
MacTransfer ... 111
State Of The Art, Inc.
Electric Checkbook ... 144
Stoneware, Incorporated
DB Master ... 62
Superex International Marketing, Ltd.
MacNotes ... 106
The Home Executive ... 142
Symbiotic Computer Systems, Ltd.
Symbfile ... 161
Systems Plus, Inc.
BOOKS! The Electric Ledger ... 19
Tecmar, Inc.
MacDrive ... 151
Telos Software Products
Filevision ... 48
The All American Software Company
MacPrint ... 117
Think Educational Software
MacEdge ... 135
Mind over Mac ... 168
Thunderware, Inc.
ThunderScan ... 161
T/Maker Company
ClickArt ... 35
Letters ... 172
Transensory Devices, Inc.
SENSORBUS ... 156
Videx, Inc.
Mac Calendar ... 76
MacCheckers; FunPak;
MacGammon; Mac Vegas ... 163
Warner Software
Desk Organizer ... 173
Winterhalter, Inc.
DataTalker/MAC ... 26

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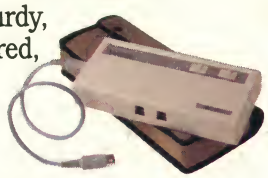
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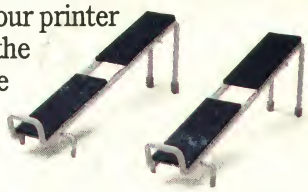


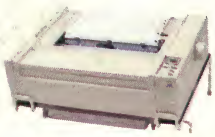
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The **Control Center,** styled to fit underneath the external disk drive, provides fingertip control over your whole system. There's a master switch to power the whole system on and off, and separate switches for a printer, modem and one auxiliary device. It also protects your whole system from power surges, line noise and static shocks.



The **Universal Printer Stand,** for the Apple® Imagewriter,™ also fits most other dot matrix printers. It raises your printer 1½" from the desk at the front and 4½" at the back, an angle that allows you to monitor your printer's performance more easily. By raising your printer a few inches from the desk, the Universal Printer Stand solves the problem of where to store your paper. Several hundred sheets are accommodated neatly underneath.





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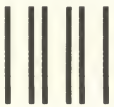


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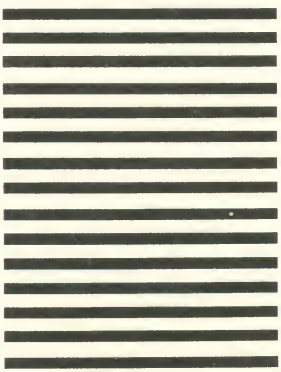
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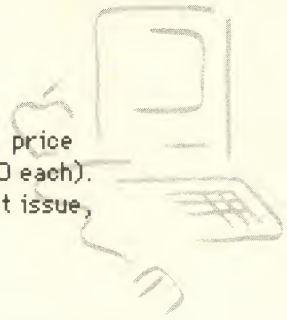
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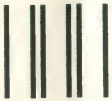
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